

**STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES**

DIVISION OF WATER RESOURCES

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WARM SPRINGS VALLEY (HYDROGRAPHIC BASIN 06-084)

**GROUNDWATER PUMPAGE INVENTORY
WATER YEARS 2007-2010**

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ABSTRACT

This document presents groundwater pumpage in Warm Springs Valley and inventories ground water resources allocated by the Nevada Division of Water Resources (Office of the State Engineer) for that period beginning October 1, 2006, and ending September 30, 2010 (referred to as the 2007 through 2010 water years). This is a combined inventory due to field data acquisition difficulties in the covered years.

The reported permitted and pumping figures (duties) are valid for the period covered by the report within the constraints of the data collected. The duties may vary from previously published figures as water rights within the basin are subject to administrative action such as certification, cancellation, forfeiture or withdrawal on a continuous basis.

For water years 2007 through 2010 groundwater rights totaled up to **7,264.60** acre-feet annually. An estimated **4,709** acre-feet were pumped in the highest water use year of 2007. This figure includes an estimated 328 acre-feet pumped for domestic use under an exemption as defined by Nevada Revised Statute [534.013](#) and are in addition to permitted uses.

Irrigation is and remains the leading permitted beneficial use of water in Warm Springs Valley at 4,230 acre-feet pumped in 2007 of an allowed 6,388 acre-feet. All other permitted beneficial uses combined total 151 acre-feet pumped in 2007 of 927 acre-feet allowed.

HYDROGRAPHIC BASIN SUMMARY

HYDROGRAPHIC BASIN NUMBER	84, REGION 6	
HYDROGRAPHIC BASIN NAME	WARM SPRINGS VALLEY	
COUNTY	WASHOE	
MAJOR COMMUNITY	NONE	
DESIGNATED	YES	
DENIALS BASED UPON WATER AVAILABILITY	IRRIGATION - RULING 2478	
GROUNDWATER LEVEL MEASUREMENTS	YES; NDWR	
AVAILABLE INVENTORIES OF WATER PUMPED	1986 – 2006, INCLUSIVE	
ORDERS OF THE STATE ENGINEER		
<u>607</u>	- DESIGNATION	JANUARY 18, 1977
<u>1205</u>	- PREFERRED USE	MARCH 25, 2010
COMMITTED GROUNDWATER RESOURCES AS OF OCTOBER 1, 2007	7351.81 AF	
IRRIGATION.....6,388.12	STOCKWATER.....39.07	
RECREATION.....28.16	QUASI-MUNICIPAL.....209.68	
COMMERCIAL.....4.96	INDUSTRIAL (ENVIRONMENTAL).....644.67	
COMMITTED GROUNDWATER RESOURCES AS OF OCTOBER 1, 2008	7351.81 AF	
IRRIGATION.....6,382.12	STOCKWATER.....39.07	
RECREATION.....28.16	QUASI-MUNICIPAL.....209.68	
COMMERCIAL.....10.96	INDUSTRIAL (ENVIRONMENTAL).....644.67	
COMMITTED GROUNDWATER RESOURCES AS OF OCTOBER 1, 2009	7351.81 AF	
IRRIGATION.....6,369.62	STOCKWATER.....39.07	
RECREATION.....28.16	QUASI-MUNICIPAL.....209.68	
COMMERCIAL.....10.96	INDUSTRIAL (ENVIRONMENTAL).....644.67	
COMMITTED GROUNDWATER RESOURCES AS OF OCTOBER 1, 2010	7264.60 AF	
IRRIGATION.....6,020.92	STOCKWATER.....39.07	
RECREATION.....28.16	QUASI-MUNICIPAL.....209.68	
COMMERCIAL.....12.96	INDUSTRIAL (ENVIRONMENTAL).....644.67	

NOTE: Committed groundwater resource data is accurate for October 1 of given year. Manner of use category totals vary over time, as water rights are not static. Water rights are subject to change application, certification, withdrawal, forfeiture and cancellation; each of these circumstances may impact the duty, diversion rate and place of use associated with a given right. The value associated with each manner of use category does not include those portions that have been relinquished in support of domestic wells. A total of 309.14 acre-feet have been relinquished in this basin as of 10/1/2010.

PURPOSE AND SCOPE

This document is intended to quantify groundwater pumpage in Warm Springs Valley and inventory ground water resources allocated by the Nevada Division of Water Resources (Office of the State Engineer) for that period beginning October 1, 2006, and ending September 30, 2010 (hereinafter referred to as the 2007 through 2010 water years). This document estimates the amount of groundwater pumped under the permits and certificates issued by the State Engineer, vested claims of right, and the amount pumped by exempt domestic wells within the basin.

DESCRIPTION OF STUDY AREA

Warm Springs Valley (AKA: Palomino Valley) lies north and east of the Reno-Sparks area approximately 12 miles along S.R. 445 (Pyramid Lake Highway) encompassing an area of about 250 square miles. Unlike most of Nevada, the valley is largely patented (private) land divided into mostly large parcels with the population spread throughout the valley. Warm Springs Valley is bounded on the north by the Virginia Mountains and on the northwest by Dogskin Mountain. The valley forms a salient into the Pah Rah Range to the southeast and a portion of the valley referred to as Hungry Valley forms a similar salient to the southwest bounded by Hungry Ridge to the south and east and Hungry and Warm Springs Mountains to the west. Hydrographic basins surrounding Warm Springs Valley are (clockwise from the south) Spanish Springs Valley (06-085); Lemmon Valley East (06-092B); Antelope Valley (06-093); Bedell Flat (06-094); Dry Valley (06-095); Pyramid Lake Valley (06-081); Dodge Flat (06-082); and Tracy Segment (06-083).

HYDROLOGY

Very little dependable surface water exists at the valley floor so underground sources provide the majority of the water placed to beneficial use. Warm Springs Creek from the north and Cottonwood Creek from the south drain into the valley from the surrounding mountains and are fully appropriated before they reach the valley floor. Mullen Creek intercepts drainage that overflows from Warm Springs Valley and conveys it to Pyramid Lake Valley on the northeast. Warm Springs and Cottonwood Creeks are perennial near the mountains but only reach the valley floor during periods of heavy runoff and, on rare occasion, overflow into Mullen Creek, an ephemeral stream. Several additional small named streams exist within the limits of Warm Springs Valley but none reach the valley floor on a regular basis. Snow courses, precipitation gauges and stream flow measurements are not regularly performed in the mountains surrounding

Warm Springs Valley or the streams therein. Perennial yield for groundwater has been estimated in Reconnaissance Series [Report 43](#)¹ at 3,000 acre-feet annually. Subsequent limited studies have arrived at a similar figure².

Depth to groundwater has been measured by the office of the State Engineer consistently since 1983. Currently the monitoring well network has 19 active and two inactive sites. Following are site names and links to the data (please see Appendix C for illustration of monitor well locations).

084 N21 E20 04CCC 1	084 N22 E21 05ADA 1	084 N23 E20 03CCCB1
084 N21 E20 08CCAD1	084 N22 E21 06AD 1	084 N23 E20 10BACA1
084 N21 E22 07DDDC1	084 N22 E21 07BD 1	084 N23 E20 13ABCA1
084 N22 E20 02CADD1	084 N22 E21 10CDD 1	084 N23 E20 22ABB 1
084 N22 E20 25AC 1	084 N22 E21 16BBD 1	084 N23 E20 35ABAB1
084 N22 E21 04DAC 1	084 N22 E21 21BB 1	084 N23 E21 18DAA 1
084 N22 E21 05AB 1	084 N22 E21 23CDA 1	084 N23 E21 32 CADC1

Water level data and a hydrograph may be viewed for each site on the Water Level Data page of the Nevada Division of Water Resources' website at <http://water.nv.gov/data/waterlevel/>. Groundwater level data has also been collected by Washoe County Utilities and the USGS (USGS data may be accessed at <http://nevada.usgs.gov/>).

METHODS TO ESTIMATE PUMPAGE

Crop and pumpage inventories are conducted in the fall of the named water year. Meters are read when present and use noted. Permitted and certificated irrigation water rights are typically additionally field checked at least once during the growing season to verify culture and estimate of water use. Those areas under irrigation from multiple rights from the same well will have the total use pro-rated over the entire area under irrigation regardless of culture. This means that the pumpage is divided amongst the valid rights and uniformly "spread out" over the place of use irrigated.

Primary data collection for water year 2007 was conducted in October of that year but all sites were not visited. Water year 2008 saw a more comprehensive field effort in November of that year but several sites were still left unattended. Due to personnel turnover, field work in water year 2009 did not occur. Water year 2010 represents a return to a field effort in which all

¹ Entry (1) in the references.

² Entries (2) and (3) in the references.

water users in the basin were again visited and meter readings, if available, collected.

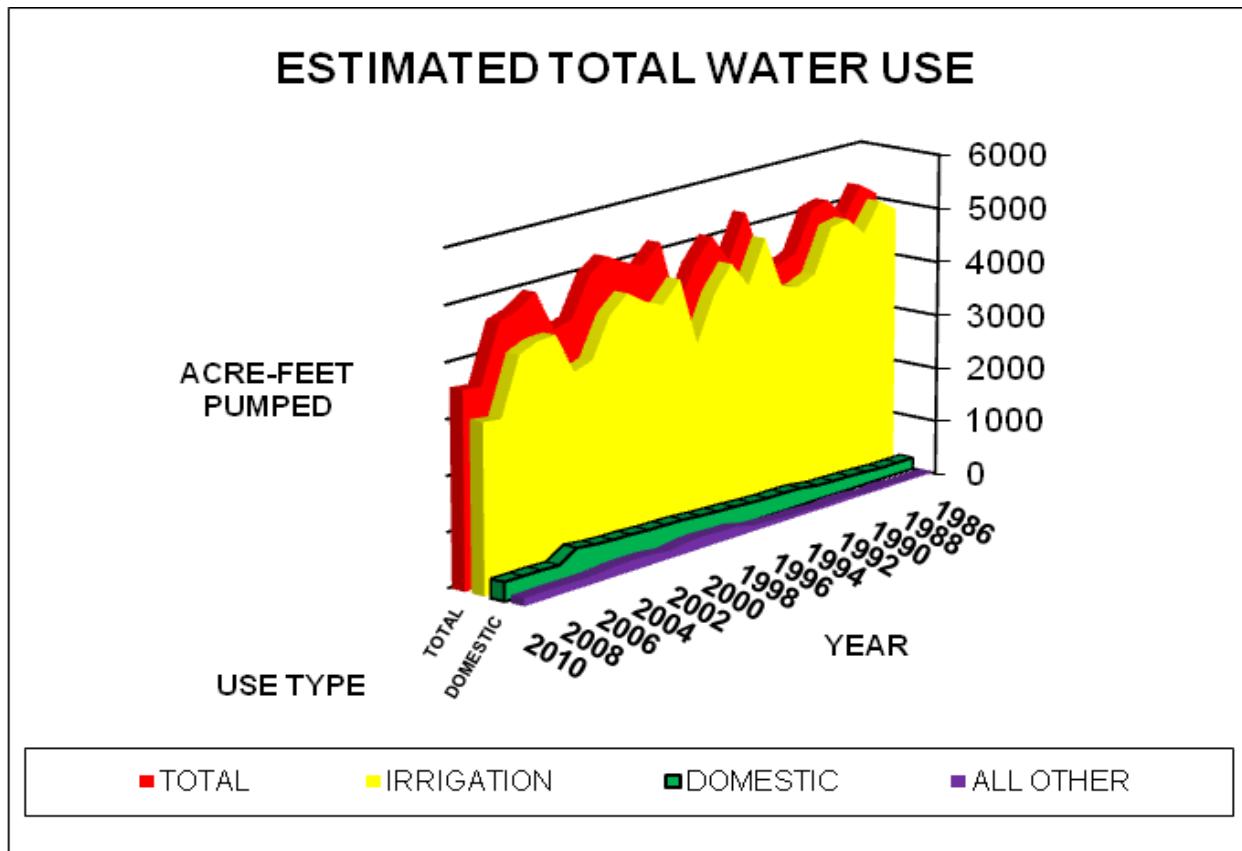
As a result, this report will contain a larger than usual amount of estimated use reporting as normal meter attrition and replacement occurred in addition to gaps in the record.

PUMPAGE BY MANNER OF USE

Total pumpage from all sources, including domestic wells, was estimated as follows (see figures):

Water Year 2007	4709 acre-feet.
Water Year 2008	4592 acre-feet.
Water Year 2009	3542 acre-feet.
Water Year 2010	3576 acre-feet.

FIGURE 1.



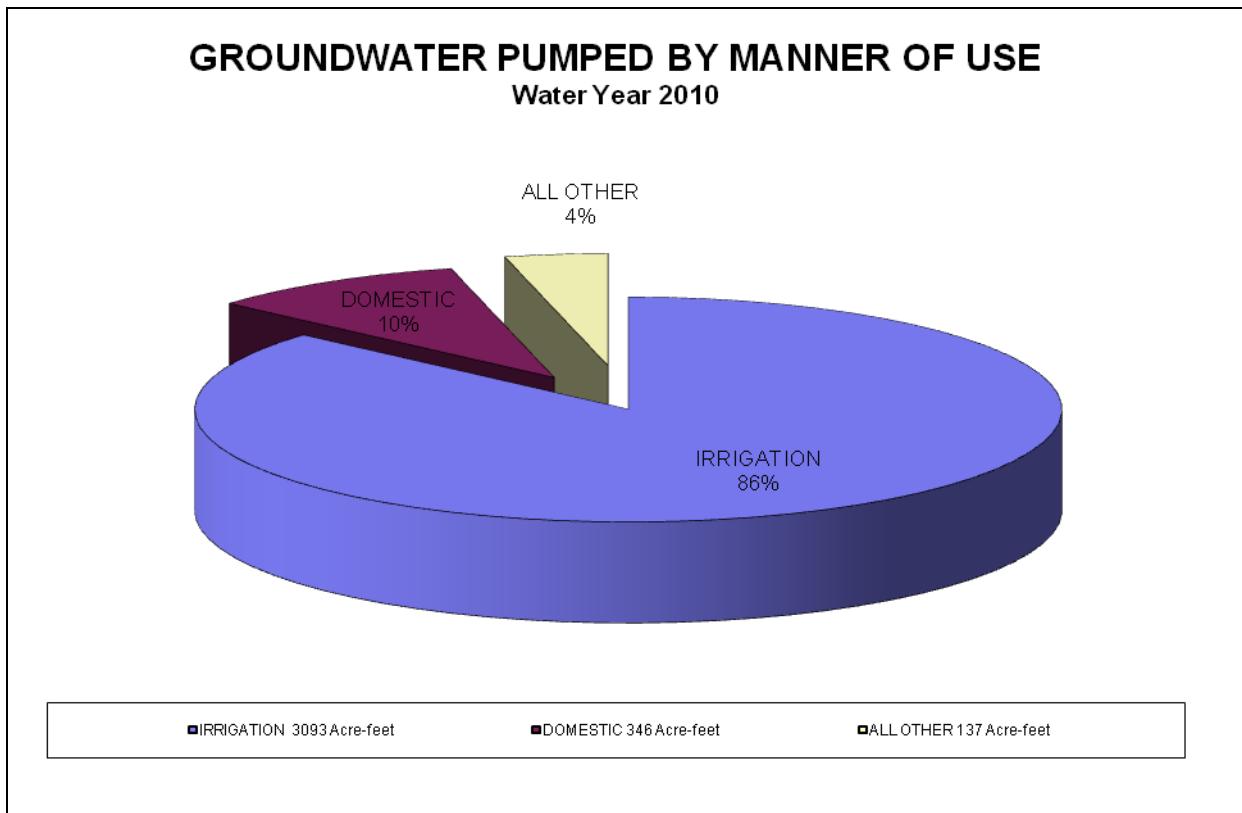
This shows a generally decreasing trend from the 2006 pumping volume (4940 acre-feet) reflecting a reduction of water use due to relinquishments and cropping troubles by a major irrigator. An additional 250 acre-feet reduction was realized by a more accurate estimate of the

number of domestic wells in use. The instances of pumping in excess of the allowed duty were rare and appeared to be one user in the 2007 and 2008 water year period with total water diverted still well below the total committed (permitted) duty.

IRRIGATION:

Irrigation continues to represent the primary consumption of water with alfalfa, grass hay and turf as the major crops. An estimated **4230, 4097, 3053 and 3093** acre-feet were pumped to this use in water years 2007, 2008, 2009 and 2010, respectively. The greatest concentration of irrigated land lies east of the Pyramid Lake Highway on and near land formerly controlled by MCO Properties, Inc. The next largest area of irrigation is scattered along the Winnemucca Ranch Road north of Range Land Road and on the Winnemucca Ranch.

FIGURE 2.



Additional irrigated land lies scattered about the valley in 0.5 to 20.0 acre fields usually accompanied by single-family dwellings.

DOMESTIC:

Domestic use was previously estimated from a count of domestic wells drilled in the valley at **564, 592, 623 and 653** acre-feet in water years 2007, 2008, 2009 and 2010, respectively. A more accurate estimate of actual wells in use has revised these estimates to **328, 344, 344 and 346** acre-feet in water years 2007, 2008, 2009 and 2010, respectively. Since landscaping is minimal unless a water right (permit) is attendant, the annual duty was estimated based upon an average diversion rate of 1000 gallons per day. This yields an annual duty of 1.12 acre-feet annually per well in use. Verification has become possible through reading meters formerly associated with a water right. Metered wells utilized for domestic consumption from which a water right had been moved, allowed this verification.

STOCK WATER:

Stock watering was estimated based upon the number of animals watered at **26, 19, 21 and 18** acre-feet in water years 2007, 2008, 2009 and 2010, respectively.

RECREATION:

Recreation accounted for about **3, 7, 6 and 6** acre-feet in water years 2007, 2008, 2009 and 2010, respectively, at the Washoe County Regional Shooting Facility and at the Air Sailing, Inc. glider strip.

QUASI-MUNICIPAL:

Quasi-municipal use accounted for **64, 66, 70 and 67** acre-feet in water years 2007, 2008, 2009 and 2010, respectively, at the Reno-Sparks Indian Colony by Hungry Valley Utility District (H.V.U.D.), the volunteer fire station (T.M.F.P.D.) and Palomino Valley General Improvement District (P.V.G.I.D.).

INDUSTRIAL AND OTHER:

Industrial and other uses accounted for **58, 60, 48 and 46** acre-feet in water years 2007, 2008, 2009 and 2010, respectively, with the major use being environmental remediation at the old Rocketdyne sites.

SUPPLEMENTAL RIGHTS

18.15 acres of the irrigated land on the Winnemucca Ranch was previously considered to be supplemental to Warm Springs Creek water in the amount of 64.60 acre-feet. Washoe County District Court ordered, under case number CV06-00401, that the water was placed to beneficial use as non-supplemental and was certificated as a stand-alone groundwater right on May 2, 2007. This left only one underground right as supplemental to a surface water source. Several underground rights are supplemental to other underground rights and are shown in the Summary

(Appendix B) with either a reduced duty or a duty of “0.00” acre-feet.

RELINQUISHMENT

Water rights have been relinquished in favor of land division within Warm Springs Valley. Relinquished rights are considered “inactive” but are counted against the total water budget. At the close of water year 2010 309 acre-feet of water rights had been relinquished to support creation of “new” parcels. Relinquished rights are not individually counted toward the water pumped totals presented in this report but are instead accounted for in the domestic well estimate, above.

REFERENCES

- 1) Rush, E.F., and Glancy, P.A., 1967, Water resources Appraisal of the Warm Springs - Lemmon Valley Area, Washoe County, Nevada: Nevada Department of Conservation and Natural Resources, Water Resources - Reconnaissance Series [Report 43](#).
- 2) Ross, W.C., 1997, Hydrology and Simulated Effects of Development in Warm Springs Valley, Washoe County, Nevada: Washoe County Department of Water Resources.
- 3) Katzer, T., 1997, Hydrogeology of Warm Springs Valley and Feasibility of Aquifer Recharge, Storage, and Recovery with Emphases (sic.) on the Marshall and Winnemucca Ranch Areas, Washoe County, Nevada: Prepared for Robert W. Marshall.

LEGEND

A number of abbreviations are used in the tables of this report. The following two pages are a brief discussion of the columns of the report and definitions of abbreviations utilized.

APPENDIX A: GROUNDWATER PUMPED BY PERMIT FOR WATER YEAR 2010

<u>COLUMN HEADING</u>	<u>DESCRIPTION</u>
PERMIT	Number of the approved application in the records of the State Engineer. AKA File Number
STAT	Status of the corresponding application at the end of the water year. See: Other Abbreviations Utilized for individual entry definitions.
MOU	Manner of use as approved. AKA Permitted use. See: Other Abbreviations Utilized For individual entry definitions.
PERMITTEE	Owner of record of all or a portion of the permit.
PLACE OF USE	Area in which use of water is authorized under the permit described by Public Land Survey System as follows:
Q1	¼ of a ¼ of a Section, typically about 40 acres
Q2	¼ of a Section, typically about 160 acres
SEC	Section, typically about 640 acres or one square mile.
T	Township, an area containing 36 Sections for a standard Township. All Townships in this report are reckoned as North from the Mount Diablo Base and Meridian.
R	Range, further defines the location of the Township. All Ranges in this report are reckoned as East from the Mount Diablo Base and Meridian.
UNITS/ACRES	Number of items allowed to be watered under the Permit/Area in acres allowed to be irrigated within the described Place of Use under the permit.
DUTY	Amount of water allowed by the terms of the permit. Numbers are in acre-feet (AF).
SUPP ADJ.	Duty that is accounted for elsewhere either as supplemental or in a change application permitted in the water year and listed in the table.
UNITS USED	Number of items observed to have been watered under the Permit/Area in acres observed to have been irrigated within the described Place of Use under the permit.
DUTY USED	Amount of water pumped from the well under the permit. Water estimated from meter readings or use type/number. Multiple permits from the same well are pro-rated between the permits.
CULTURE/UNIT TYPE	Description of crop (culture) irrigated or other use unit.
COMMENTS	Commentary to better describe use of water.

APPENDIX B: SUMMARY OF GROUNDWATER PUMPED

<u>COLUMN HEADING</u>	<u>DESCRIPTION</u>
APP. NO.	Application number in the records of the State Engineer. If an application is approved this number becomes the permit number. AKA: File number.
STATUS	Status of the corresponding application at the end of the water year. See: Abbreviations.
DUTY	Amount of water requested in the application or allowed by the terms of the permit. All figures are in acre-feet annually (AFA).
USE	Type of beneficial use to which water is applied.
20**	Amount of water pumped in the given water year under the corresponding application number. Figures are in acre-feet annually (AFA).

OTHER ABBREVIATIONS UTILIZED

CER	Certificated.
#####	Number appearing in a "STATUS" column indicates a certificate with number "#####."
PER	Permitted.
RFA	Application that is Ready For Action, i.e. protest period has expired.
REL	Relinquished water right.
APP	Application prior to expiration of the protest period.
ABR	Abrogated, i.e. changed by subsequent application.
T-ABR	Abrogated by a temporary application.
WDN	Application, permit or certificate Withdrawn by applicant, agent or successor in interest.
EXP	Expired temporary permit. If used in remarks column date on which a temporary expires.
REL	Permit or certificate Relinquished to the state.
T-PER	Temporary permit. Valid for no longer than one year from date of issue.
IRR	Irrigation use.
I&D	Irrigation and domestic use.
STK	Stock watering use.
S&D	Stock watering and domestic use.
Q-M	Quasi-municipal use.
IND	Industrial use.
ENV	Environmental remediation use.
E-PER	Permitted for environmental remediation.
C-#####	Certificate number "#####."
P-#####	Permit number "#####."
POD	Point of diversion.
BLM	U.S.D.I. Bureau of Land Management.
USGS	U.S. Geological Survey

ABBREVIATIONS CONTINUED

GID	General Improvement District.
AF/ac.	Acre-feet per acre.
**	Quantity unable to fit format, usually extensive.

APPENDIX A

**GROUNDWATER PUMPED BY PERMIT
FOR WATER YEAR 2010
AND
AREA OF CULTURE**

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
23888	8283	IRR	Tehama Holdings, Inc.	SE	SW	5	22	21	6.96	27.84		6.96		Alfalfa/cover	MCO well #3
23888	8283	IRR	Tehama Holdings, Inc.	NE	SE	5	22	21	1.69	6.76		1.69		Alfalfa/cover	Replanted
23888	8283	IRR	Tehama Holdings, Inc.	NW	SE	5	22	21	5.25	21.00		5.25	251.87	Alfalfa/cover	Total pumped under this permit
23888	8283	IRR	Tehama Holdings, Inc.	SW	SE	5	22	21	39.40	157.60		39.40		Alfalfa/cover	
23888	8283	IRR	Tehama Holdings, Inc.	SE	SE	5	22	21	29.32	117.28		29.32		Alfalfa/cover	
23888	8283	IRR	Tehama Holdings, Inc.	NE	NW	8	22	21	3.85	15.40		3.85		Alfalfa/cover	
23888	8283	IRR	Tehama Holdings, Inc.	NE	NE	8	22	21	20.88	83.52		20.88		Alfalfa/cover	
23888	8283	IRR	Tehama Holdings, Inc.	NW	NE	8	22	21	33.25	133.00		33.25		Alfalfa/cover	
24099	7599	STK	U.S.D.I. - BLM	NW	NE	7	22	21	172	4.00		**	2.10	Horses	
27395	9317	REC	Air Sailing, Inc.	SW	SE	11	23	20	**	8.01		**	0.66	Travel trailers and shop	Same POD as 35565
32363	12348	IRR	Barbato, Gary E. & Brandt, Julie P.	SW	SE	10	22	21	6.00	24.00		0.50	0.66	Poor fields and trees	Model farm
34668	10495	I&D	Gariador Brothers	NE	NE	25	22	20	2.00	8.00		2.50	3.35	Alfalfa & trees	½ Ac trees not in certificated POU
34670	9862	IRR	Cuneo Family Trust 9/24/1976	NE	SW	32	23	21	10.00	40.00	40.00			Fallow and weeds	ABR 08/09/2007
35486	10034	IRR	Claypool, John G. & Susan D.	NW	SE	32	23	21	2.00	8.00		2.00	8.00	Pasture	Estimate; pasture in excellent condition
35565	11087	REC	Air Sailing, Inc.	SW	SE	11	23	20	**	0.17		**	0.68	Travel trailers and shop	Same POD as 27395
39166	10496	IRR	Michael B. Stewart Living Trust	NE	SW	32	23	21	1.95	7.80		0.00	0.00	Fallow and weeds	Same POD as 34670
39166	10496	IRR	Michael B. Stewart Living Trust	NW	SW	32	23	21	4.30	17.20		0.00	0.00	Fallow and weeds	Por ABR by 78714 05/19/2010
39167	10457	IRR	Douglas, Brent N.	NE	SE	4	22	21	3.60	14.40		3.60	12.79	Alfalfa	
39167	10457	IRR	Douglas, Brent N. & Washoe County	NW	SE	4	22	21	34.40	137.60		34.40	122.21	Alfalfa	Washoe Co. por. = 15 AFA
39593	16807	I&D	Marshall, Robert W. & Nanette	NW	SW	29	24	20	16.15	64.60		16.15	64.73	Pasture & hay	Supplemental severed by court CER 05/02/2007
39849	PER	REC	Washoe County	NE	SE	18	23	21	**	20.00		**	4.29	Regional shooting facility.	
40587	11180	IRR	Condon & Murphy	NE	SE	16	22	21	6.25	25.00		0.00	0.00	Fallow	Attempted to use but difficulty with pump/motor
42403	11875	Q-M	Truckee Meadows Fire Prot. District	NE	SE	6	22	21	**	0.02		**	0.00	Fire Station	
43005	11238	IRR	Friedman, Terry	SE	NE	31	23	21	0.82	3.28		0.00	0.00	Weeds	Power disconnected and e-meter removed
43005	11238	IRR	Friedman, Terry	SW	NW	32	23	21	0.43	1.72		0.00	0.00	Weeds	Same POD as 53865
43006	11181	I&D	Bevilacqua, Margaret F.	NE	NW	34	22	21	2.00	8.00		0.00	0.00	Poor pasture & landscaping	Meter not required
45095	10798	I&D	Hildenbrand, Thomas R. & Jacqueline	NE	NE	2	22	20	2.00	8.00		0.00	0.00	Fallow and weeds	Same POD as 51002; Meter failed
46199	13137	IRR	Claypool, John G. Susan D.	NE	SE	32	23	21	17.81	71.24		9.15	25.65	Horse hay mix	Suspect meter issues
46199	13137	IRR	Claypool, John G. Susan D.	NW	SE	32	23	21	22.07	88.26		20.85	58.46	Horse hay mix	30 ac.pivot and 9.875 ac. wheel line/corner.
47562	12057	I&D	Bailey, Wayne E.	NE	SE	35	23	20	4.00	16.00		4.00	12.00	Pasture and wood lot.	
47599	13820	IRR	Polizzi, Lewis H. & Nora	NW	SW	1	22	20	3.29	2.00		3.00	0.00	Ragged orchard	Reduced duty per acre
48819	12354	STK	Intermountain Land Company	SW	SW	8	21	20	350	5.20		**	0.10	20 head of cattle?	Light use, range recovering
49445	13822	IRR	Moore, Dennis R. - et.al.	NE	SE	15	22	20	0.63	2.50		0.00	0.00	Trees (dead)	
49669	11974	IRR	Intermountain Land Company	NE	NW	22	23	20	46.62	81.99		0.00	0.00	Fallow and weeds	
49669	11974	IRR	Intermountain Land Company	SE	NW	22	23	20	46.37	81.55		0.00	0.00	Fallow and weeds	
49669	11974	IRR	Intermountain Land Company & USA	NW	NE	22	23	20	5.20	9.15		0.00	0.00	Fallow and weeds	Supp. to 49670; Cert. duty = 1.7587 AF/ac; East field weedy & dry (1.0 ac)
49669	11974	IRR	Intermountain Land Company & USA	SW	NE	22	23	20	33.26	58.49		0.00	0.00	Fallow and weeds	East field (19.06 ac)
49669	11974	IRR	Intermountain Land Company & USA	SE	NE	22	23	20	2.40	4.22		0.00	0.00	Fallow and weeds	East field; USA por. by BLM, 10.99 AFA

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
49670	11975	IRR	Intermountain Land Company	NE	NW	22	23	20	46.62	104.49		0.00	0.00	Fallow and weeds	
49670	11975	IRR	Intermountain Land Company	SE	NW	22	23	20	46.37	103.93		0.00	0.00	Fallow and weeds	
49670	11975	IRR	Intermountain Land Company & USA	NW	NE	22	23	20	5.20	11.65		0.00	0.00	Fallow and weeds	Supp. to 49669; Cert. duty = 2.2413 AF/ac; East field weedy & dry (1.0 ac)
49670	11975	IRR	Intermountain Land Company & USA	SW	NE	22	23	20	33.26	74.55		0.00	0.00	Fallow and weeds	East field (19.06 ac)
49670	11975	IRR	Intermountain Land Company & USA	SE	NE	22	23	20	2.40	5.38		0.00	0.00	Fallow and weeds	East field; USA por. by BLM, 10.99 AFA
50021	13542	STK	U.S.D.I. - BLM	NW	NE	7	22	21	750	14.94		**	7.85	Horses	Same POD as 24099
50054	13051	I&D	McGuire, Kenneth L. & Sue C.	SE	NW	27	22	21	2.50	10.00		2.00	2.97	Pasture and trees	
50056	13610	I&D	Washoe County	SE	SE	36	22	20	1.00	4.00		0.00	0.00	Domestic and landscaping only.	
50764	15254	I&D	Meredith, Marjorie	NW	SW	3	21	22	0.73	2.92		0.00	0.00	Grass pasture/hay.	Irrigated from surface sources (supplemental)
50764	15254	I&D	Meredith, Marjorie	SW	NW	3	21	22	5.27	21.08		1.50	4.37	Grass pasture/hay.	Irrigated from surface sources (supplemental)
51002	13241	I&D	Hildenbrand, Thomas R. & Jacqueline	NE	NE	2	22	20	3.00	12.00		0.00	0.00	Fallow and weeds	Same POD as 45095; Meter failed
51169	PER	I&D	Hemenway, Raymond F. & Gerda T.	SW	SE	14	22	21	2.00	8.00		2.00	3.13	Poor orchard	Same POD as 51474
51474	PER	I&D	Hemenway, Raymond F. & Gerda T.	SW	SE	14	22	21	1.75	7.00		1.75	0.92	Poor orchard	Same POD as 51169
52089	PER	Q-M	Reno-Sparks Indian Colony	SE	NW	4	21	20	164	18.37		**	0.00	Colony dwellings and public facilities	Supplemental to 53313 et.al.
52202	13311	IRR	Avila, Robert J.	NW	SE	22	22	21	4.00	16.00		4.00	17.26	Alfalfa	Same well as 52842
52842	13312	I&D	Avila, Robert J.	NW	SE	22	22	21	1.00	4.00		1.00	4.31	Alfalfa	Same well as 52202
53242	PER	I&D	Lehmkuhl, Otto L. & Patti A.	NW	SW	13	22	21							
53242	PER	I&D	Lehmkuhl, Otto L. & Patti A.	SW	NW	13	22	21							
53242	PER	I&D	Lehmkuhl, Otto L. & Patti A.	SE	NW	13	22	21	1.25	5.00		1.25	7.42	Pasture grass, alfalfa & orchard	Same POU as 64660
53275	14073	I&D	Solari, John A. & Sheila L.	NE	NW	30	22	21	1.00	4.00		1.00	4.34	Pasture grass	Same well as 56472
53278	PER	IRR	Johnson, Russell & Sandra & Washoe Co.	SW	SW	30	22	21	1.25	5.00		0.00	0.00		No meter; Domestic only; WaCo portion 2.5 AFA
53303	ABR	I&D	Tehama Holdings, Inc.	NW	NW	4	22	21	28.70	114.80	114.80			Alfalfa/horse mix	MCO Well #2; Por. ABR 74438 08/13/2007; Por. ABR 75473 07/30/2007
53304	12898	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	1.15	4.59		1.15	2.25	Mature alfalfa	MCO Well #3
53305	ABR	I&D	Pratt, Tom & Lanette	NW	NW	4	22	21	5.90	23.60	23.60			Alfalfa and pasture grass	
53305	ABR	I&D	Pratt, Tom & Lanette	SW	NW	4	22	21	9.78	39.10	39.10			Alfalfa and pasture grass	MCO Well #2; Por. ABR 73841 04/25/2007; Por. ABR 75553 08/29/2007
53306	12900	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	5.10	20.40		5.10	10.00	Mature alfalfa	MCO Well #3
53307	12901	I&D	Tehama Holdings, Inc.	NW	SE	5	22	21	8.03	32.12		8.03	15.75	Mature alfalfa	MCO Well #3
53308	12902	I&D	Tehama Holdings, Inc.	SE	SW	5	22	21	0.30	1.20		0.30	0.59	Mature alfalfa	MCO Well #3
53308	12902	I&D	Tehama Holdings, Inc.	NE	SW	5	22	21	15.70	62.80		15.70	30.79	Mature alfalfa	
53308	12902	I&D	Tehama Holdings, Inc.	NW	SE	5	22	21	11.97	47.88		11.97	23.48	Mature alfalfa	
53308	12902	I&D	Tehama Holdings, Inc.	SE	NW	5	22	21	2.60	10.40		2.60	5.09	Mature alfalfa	
53308	12902	I&D	Tehama Holdings, Inc.	SW	NE	5	22	21	1.40	5.60		1.40	2.75	Mature alfalfa	
53313	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	55.10		**	10.40	Colony dwellings and public facilities	Supplemental to 52089 et.al.
53343	REL	I&D	Washoe County	SW	SE	30	22	22	4.00	16.00	16.00	2.00	0.90	Landscaping	House and barns; REL 03/19/2010
53346	15930	I&D	Carter, Alberta E. & Lee Charles	NW	SW	12	22	20	0.38	1.50		0.38	1.32	Landscaping; 0.375 acres	Domestic use also; WaCo por. REL (2.5 AFA)
53674	15949	IRR	Patrick, Joyce A. & Washoe Co.	NW	SE	15	22	21	1.00	4.00		0.00	0.00	Pasture	Poor condition; WaCo por. 2.5 AFA
53864	REL	I&D	Washoe County	NW	SW	20	22	22	1.00	4.00		0.50	1.35	Landscaping	REL 03/19/2010
53865	15261	I&D	Washoe County	SW	NW	32	23	21	3.75	15.00		0.00	0.00	Weeds	Same POD as 43005; Power disconnected and e-meter removed; WaCo por. 15 AFA
54167	PER	I&D	Washoe County	SE	13	22	20	2.00	8.00		0.00	0.00		No development in POU	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
54265	REL	I&D	Washoe County	NW	NW	25	22	21	0.25	1.00	1.00					REL 03/19/2010
54463	PER	I&D	Washoe County	NE	SE	16	22	21	1.50	6.00	0.00	0.00	0.00	Fallow		Same well as 40587
54465	PER	I&D	Washoe County	NE	SE	16	22	21	4.00	16.00	0.00	0.00	0.00	Fallow		Same well as 40587
54466	PER	I&D	Washoe County	NE	SE	16	22	21	3.00	12.00	0.00	0.00	0.00	Fallow		Same well as 40587
54468	PER	IRR	Washoe County	NE	SE	16	22	21	4.00	16.00	0.00	0.00	0.00	Fallow		Same well as 40587
54470	PER	I&D	Washoe County	NE	SE	16	22	21	4.00	16.00	0.00	0.00	0.00	Fallow		Same well as 40587
54889	14080	IRR	Dennis, Gregory E. & Michele C.	SW	NE	36	23	20	2.50	10.00	2.50	4.91	Garden, woodlot and landscaping		Domestic use also	
55118	ABR	I&D	Washoe County	S2	NW	3	22	21	1.88	7.50	7.50					Balance REL 03/19/2010
55119	ABR	I&D	Washoe County	SE	NW	3	22	21	0.88	3.50	3.50					Balance REL 03/19/2010
55326	PER	I&D	Roberts, Eric M. & Constance Louise	NE	NE	21	22	21	2.00	8.00	0.00	0.00	0.00			No development in POU
55483	PER	I&D	Brown, Donald & Carmen & Washoe Co.	SW	SE	25	22	20	0.38	1.50	1.00	0.35	Orchard & garden; 0.375 acres		Domestic use also; Washoe County por. REL (2.5 AF)	
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42					Turf		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74					Fallow		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05					Fallow		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35					Turf		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39					Turf		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26					Turf		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24					Turf		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32					Fallow		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20					Fallow		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18					Turf		
55603	14068	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	180.00	45.00	105.77	Fallow		MCO well #5; Duty this row is total for permit	
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42					Turf		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74					Fallow		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05					Fallow		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35					Turf		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39					Turf		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26					Turf		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24					Turf		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32					Fallow		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20					Fallow		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18					Turf		
55604	14069	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	43.36	10.84	25.45	Fallow		MCO well #5; Duty this row is total for permit	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42					Turf		
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74					Fallow		
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05					Fallow		
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35					Turf		
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39					Turf		
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26					Turf		

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24						Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32						Fallow	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20						Fallow	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18						Turf	
55605	14070	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	11.72		2.93	6.89	Fallow	MCO well #5; Duty this row is total for permit	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42						Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74						Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05						Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35						Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39						Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26						Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24						Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32						Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20						Fallow	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18						Turf	
55606	14071	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	304.68		76.17	179.03	Fallow	MCO well #5; Duty this row is total for permit	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NE	SE	8	22	21	35.42						Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	8	22	21	1.74						Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SE	SE	8	22	21	12.05						Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NE	SW	9	22	21	40.35						Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	SW	9	22	21	40.39						Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SW	SW	9	22	21	40.26						Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SE	SW	9	22	21	40.24						Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	SE	9	22	21	40.32						Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	SW	SE	9	22	21	40.20						Fallow	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NE	NW	16	22	21	40.18						Turf	
55607	14072	IRR	LW Land Company, LLC & Murphy, Brian	NW	NW	16	22	21	27.42	4.24				Fallow	MCO well #5; Duty this row is total for permit	
55656	14987	IRR	Iacometti, Patrick R. Patricia A.	SW	NE	24	22	20	0.33	1.32		0.33	1.10	Orchard & garden	Domestic use also	
55656	14987	IRR	Iacometti, Patrick R. Patricia A.	SE	NE	24	22	20	0.67	2.68		0.67	2.23	Orchard & garden		
55657	15950	I&D	Bennett, Howard & Debra & Washoe Co.	NW	SE	15	22	21	1.00	4.00		0.00	0.00	Fallow	Domestic use only; Same well as 55659	
55658	15951	IRR	Bennett, Malo & Patrick	NW	SE	15	22	21	6.13	24.50		0.00	0.00	Fallow; 6.125 acres	Por. ABR 75551 10/24/2007; Dom. use only; Same well as 55657	
55659	15952	IRR	Bennett, Howard D. & Debra L.	NW	SE	15	22	21	1.00	4.00		0.00	0.00	Fallow	Domestic use only; Same well as 55658	
56164	REL	I&D	Washoe County	SE	SE	12	22	20	0.63	2.50	2.50				REL 03/19/2010	
56472	PER	I&D	Solari, John A. & Sheila L.	NE	NW	30	22	21	1.00	4.00		1.00	4.33	Pasture grass	Same well as 53275	
56927	REL	I&D	Washoe County	NE	SW	30	22	22	1.25	5.00	5.00				REL 04/23/2009	
56929	REL	I&D	Washoe County	SW	SW	33	23	21	5.00	20.00	20.00				REL 03/19/2010	
56930	PER	IRR	Washoe County	NW	NE	6	22	21	0.30	1.20		0.00	0.00		Undeveloped	
56931	PER	IRR	Washoe County	NW	NE	6	22	21	1.80	7.20		0.00	0.00		Undeveloped	
56932	REL	IRR	Washoe County	NE	SE	3	22	21	3.13	12.50	12.50			3.125 acres	REL 03/19/2010	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
56933	REL	IRR	Washoe County		NW	NW	15	22	21	4.38	17.50	17.50			4.375 acres	REL 03/19/2010
56934	PER	IRR	Washoe County		NW	NE	6	22	21	0.90	3.60		0.00	0.00		Unmetered well & sheds
56963	PER	IRR	Washoe County		NW	NE	6	22	21	2.00	8.00		0.00	0.00		Unmetered well & sheds
57084	14031	IRR	Tehama Holdings, Inc.		NE	NW	5	22	21	10.23	40.92		10.23		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		NW	NW	5	22	21	37.13	148.52		37.13		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		SW	NW	5	22	21	12.61	50.44		12.61		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		SW	NW	5	22	21	0.04	0.16		0.04		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		NE	SE	31	23	21	0.10	0.40		0.10		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		SE	SE	31	23	21	0.86	3.44		0.86		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		NW	SW	32	23	21	0.46	1.84		0.46		Alfalfa	
57084	14031	IRR	Tehama Holdings, Inc.		SW	SW	32	23	21	36.00	144.00		36.00	264.32	Alfalfa	Duty used is total under permit
57084	14031	IRR	Tehama Holdings, Inc.		SE	SW	32	23	21	4.94	19.76		4.94		Alfalfa	MCO Well #1; POD (well) location N23E21 32bd
57085	14078	IRR	Tehama Holdings, Inc.		NE	NW	5	22	21	4.08	16.32		4.08		Alfalfa	
57085	14078	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	5.38	21.52		5.38		Alfalfa	
57085	14078	IRR	Tehama Holdings, Inc.		SE	SW	32	23	21	6.33	25.32		6.33	50.64	Alfalfa	Duty used is total under permit
57085	14078	IRR	Tehama Holdings, Inc.		SW	SE	32	23	21	7.34	29.36		7.34		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
57086	14032	IRR	Tehama Holdings, Inc.		NE	NW	5	22	21	17.60	70.40		17.60		Alfalfa	Supplemental to P-57087
57086	14032	IRR	Tehama Holdings, Inc.		SE	NW	5	22	21	2.94	11.76		2.94		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
57086	14032	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	7.20	28.80		7.20		Alfalfa	
57086	14032	IRR	Tehama Holdings, Inc.		SW	NE	5	22	21	0.36	1.44		0.36	61.52	Alfalfa	Duty used is total under permit
57087	14033	IRR	Tehama Holdings, Inc.		NE	NW	5	22	21	17.60	64.19	64.19	17.60		Alfalfa	Certificated duty = 3.64733 AF/ac.
57087	14033	IRR	Tehama Holdings, Inc.		SE	NW	5	22	21	2.94	10.72	10.72	2.94		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
57087	14033	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	7.20	26.26	26.26	7.20		Alfalfa	
57087	14033	IRR	Tehama Holdings, Inc.		SW	NE	5	22	21	0.36	1.31	1.31	0.36	0.00	Alfalfa	Supplemental to P-57086
57088	14034	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	0.39	1.56		0.39	4.97	Alfalfa	Supplemental to 57089; Duty used is total under permit
57088	14034	IRR	Tehama Holdings, Inc.		SW	SE	32	23	21	1.88	7.52		1.88		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
57089	14035	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	0.39	1.56	1.56	0.39	0.00	Alfalfa	Supplemental to 57088
57089	14035	IRR	Tehama Holdings, Inc.		SW	SE	32	23	21	1.88	7.52	7.52	1.88		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
57090	14036	IRR	Tehama Holdings, Inc.		NW	NW	5	22	21	1.94	7.76		1.94		Alfalfa	
57090	14036	IRR	Tehama Holdings, Inc.		SW	NW	5	22	21	0.66	2.64		0.66	37.00	Alfalfa	Duty used is total under permit
57090	14036	IRR	Tehama Holdings, Inc.		NE	NE	6	22	21	4.62	18.48		4.62		Alfalfa	Supplemental to 57091
57090	14036	IRR	Tehama Holdings, Inc.		SE	NE	6	22	21	7.11	28.44		7.11		Alfalfa	MCO Well #1; POD (well) location N23E21 32bd
57091	14037	IRR	Tehama Holdings, Inc.		NW	NW	5	22	21	1.94	7.76	7.76	1.94		Alfalfa	
57091	14037	IRR	Tehama Holdings, Inc.		SW	NW	5	22	21	0.66	2.64	2.64	0.66		Alfalfa	
57091	14037	IRR	Tehama Holdings, Inc.		NE	NE	6	22	21	4.62	18.48	18.48	4.62	0.00	Alfalfa	Supplemental to & duty under 57090
57091	14037	IRR	Tehama Holdings, Inc.		SE	NE	6	22	21	7.11	28.44	28.44	7.11		Alfalfa	MCO Well #1; POD (well) location N23E21 32bd
57092	14038	IRR	Tehama Holdings, Inc.		NW	NW	5	22	21	0.19	0.76		0.19		Alfalfa	
57092	14038	IRR	Tehama Holdings, Inc.		NE	NE	6	22	21	13.89	55.56		13.89	44.41	Alfalfa	Duty used is total under permit
57092	14038	IRR	Tehama Holdings, Inc.		SE	NE	6	22	21	3.12	12.48		3.12		Alfalfa	MCO Well #1; POD (well) location N23E21 32bd

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
57093	14039	IRR	Tehama Holdings, Inc.		NW	NW	5	22	21	0.12	0.48		0.12		Alfalfa	
57093	14039	IRR	Tehama Holdings, Inc.		NE	NE	6	22	21	17.51	70.04		17.51		Alfalfa	
57093	14039	IRR	Tehama Holdings, Inc.		NW	NE	6	22	21	3.58	14.32		3.58		Alfalfa	
57093	14039	IRR	Tehama Holdings, Inc.		SW	SE	31	23	21	0.22	0.88		0.22	55.51	Alfalfa	Duty used is total under permit
57093	14039	IRR	Tehama Holdings, Inc.		SE	SE	31	23	21	0.07	0.28		0.07		Alfalfa	MCO Well #1; POD (well) location N23E21 32bd
57094	14040	IRR	Tehama Holdings, Inc.		NW	NW	5	22	21	0.57	2.28		0.57		Alfalfa	
57094	14040	IRR	Tehama Holdings, Inc.		NE	NE	6	22	21	3.17	12.68		3.17		Alfalfa	
57094	14040	IRR	Tehama Holdings, Inc.		SW	SE	31	23	21	1.06	4.24		1.06		Alfalfa	
57094	14040	IRR	Tehama Holdings, Inc.		SE	SE	31	23	21	32.22	128.88		32.22	97.21	Alfalfa	Duty used is total under permit
57094	14040	IRR	Tehama Holdings, Inc.		NE	SE	31	23	21	0.09	0.36		0.09		Alfalfa	MCO Well #1; POD (well) location N23E21 32bd
57094	14040	IRR	Tehama Holdings, Inc.		SW	SW	32	23	21	0.54	2.16		0.54		Alfalfa	
57095	14041	IRR	Tehama Holdings, Inc.		SE	NW	5	22	21	0.20	0.80		0.20		Alfalfa	
57095	14041	IRR	Tehama Holdings, Inc.		NE	NE	5	22	21	2.07	8.28		2.07		Alfalfa	
57095	14041	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	13.61	54.44		13.61		Alfalfa	Duty used is total under permit
57095	14041	IRR	Tehama Holdings, Inc.		SW	NE	5	22	21	14.72	58.88		14.72	69.84	Alfalfa	
57095	14041	IRR	Tehama Holdings, Inc.		SE	NE	5	22	21	1.30	5.20		1.30		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
57175	REL	I&D	Washoe County		SE	NW	3	22	21	1.00	4.00	4.00				REL 03/19/2010
57444	15276	IRR	Carr, Fred M.		NE	SE	8	22	21	35.42					Turf	
57444	15276	IRR	Carr, Fred M.		NW	SE	8	22	21	1.74					Fallow	
57444	15276	IRR	Carr, Fred M.		SE	SE	8	22	21	12.05					Fallow	
57444	15276	IRR	Carr, Fred M.		NE	SW	9	22	21	40.35					Turf	
57444	15276	IRR	Carr, Fred M.		NW	SW	9	22	21	40.39					Turf	
57444	15276	IRR	Carr, Fred M.		SW	SW	9	22	21	40.26					Turf	
57444	15276	IRR	Carr, Fred M.		SE	SW	9	22	21	40.24					Turf	
57444	15276	IRR	Carr, Fred M.		NW	SE	9	22	21	40.32					Fallow	
57444	15276	IRR	Carr, Fred M.		SW	SE	9	22	21	40.20					Fallow	
57444	15276	IRR	Carr, Fred M.		NE	NW	16	22	21	40.18					Turf	
57444	15276	IRR	Carr, Fred M.		NW	NW	16	22	21	27.42	11.20		2.80	6.58	Fallow	MCO well #5; Duty this row is total for permit
57445	15277	I&D	Carr, Mark C. & Wilma F.		NE	SE	8	22	21	35.42					Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.		NW	SE	8	22	21	1.74					Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.		SE	SE	8	22	21	12.05					Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.		NE	SW	9	22	21	40.35					Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.		NW	SW	9	22	21	40.39					Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.		SW	SW	9	22	21	40.26					Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.		SE	SW	9	22	21	40.24					Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.		NW	SE	9	22	21	40.32					Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.		SW	SE	9	22	21	40.20					Fallow	
57445	15277	I&D	Carr, Mark C. & Wilma F.		NE	NW	16	22	21	40.18					Turf	
57445	15277	I&D	Carr, Mark C. & Wilma F.		NW	NW	16	22	21	27.42	24.00		6.00	14.10	Fallow	MCO well #5; Duty this row is total for permit

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	SE	8	22	21	35.42						Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SE	8	22	21	1.74						Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SE	SE	8	22	21	12.05						Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	SW	9	22	21	40.35						Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SW	9	22	21	40.39						Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SW	SW	9	22	21	40.26						Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SE	SW	9	22	21	40.24						Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	SE	9	22	21	40.32						Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	SW	SE	9	22	21	40.20						Fallow	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NE	NW	16	22	21	40.18						Turf	
57446	15278	I&D	Carr, Fred & Carr, Mark & Wilma	NW	NW	16	22	21	27.42	20.80		5.20	12.22	Fallow	MCO well #5; Duty this row is total for permit	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	SE	8	22	21	35.42						Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SE	8	22	21	1.74						Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SE	SE	8	22	21	12.05						Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	SW	9	22	21	40.35						Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SW	9	22	21	40.39						Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SW	SW	9	22	21	40.26						Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SE	SW	9	22	21	40.24						Turf	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	SE	9	22	21	40.32						Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	SW	SE	9	22	21	40.20						Fallow	
57447	15279	IRR	Carr, Mark C. & Wilma F.	NE	NW	16	22	21	40.18						Turf	3.493 acres under certificate
57447	15279	IRR	Carr, Mark C. & Wilma F.	NW	NW	16	22	21	27.42	13.97		3.49	8.21	Fallow	MCO well #5; Duty this row is total for permit	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	SE	8	22	21	35.42						Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SE	8	22	21	1.74						Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SE	SE	8	22	21	12.05						Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	SW	9	22	21	40.35						Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SW	9	22	21	40.39						Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SW	SW	9	22	21	40.26						Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SE	SW	9	22	21	40.24						Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	SE	9	22	21	40.32						Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	SW	SE	9	22	21	40.20						Fallow	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NE	NW	16	22	21	40.18						Turf	
57448	15280	I&D	Carr, Mark C. & Wilma F.	NW	NW	16	22	21	27.42	5.50		1.38	3.23	Fallow	MCO well #5; Duty this row is total for permit	
57526	PER	I&D	Washoe County	NE	NE	1	21	20	1.00	4.00		0.00	0.00			Subdivided; Domestic use from well
57664	15412	I&D	Cieri, Diane & Richard J.	NW	SE	16	22	21	2.00	8.00		2.00	8.13	Garden and landscaping	Domestic use also	
57983	16909	I&D	Shreck, James & Connie & Washoe Co.	SE	NE	17	21	22	0.38	1.50		0.38	1.00	Grass Pasture; 0.375 acres	Domestic use also; WaCo por. REL (2.5 AF)	
58057	PER	I&D	Washoe County	NE	NE	1	21	20	0.25	1.00		0.00	0.00			Subdivided; Domestic use from well
58359	REL	IRR	Washoe County	NE	NE	20	22	21	1.25	5.00	5.00					REL 04/23/2009
58507	14042	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	1.46	5.84		1.46		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
58507	14042	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.78	3.12		0.78	4.90	Alfalfa	Duty used is total under permit
58508	14043	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	8.43	33.72		8.43		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
58508	14043	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	4.57	18.28		4.57	28.46	Alfalfa	Duty used is total under permit
58509	14044	IRR	Tehama Holdings, Inc.	NE	NE	5	22	21	0.37	1.48		0.37		Alfalfa	MCO Well #2; POD (well) location N22E21 05ba
58509	14044	IRR	Tehama Holdings, Inc.	NW	NE	5	22	21	0.28	1.12		0.28	1.42	Alfalfa	Duty used is total under permit
60214	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	165.31	55.10	**	8.93	Colony dwellings and public facilities	Supplemental to 52089 & 53313
60975	E-PER	ENV	The Boeing Company	SE	SE	29	22	21	**	16.13		**	0.00	Remediation	Well B-1A; Water pumped reported annually
62598	PER	IRR	Washoe County	NE	SE	16	22	21	2.00	8.00		0.00	0.00	Fallow	Same well as 40587
62599	PER	IRR	Washoe County	NE	SE	16	22	21	2.00	8.00		0.00	0.00	Fallow	Same well as 40587
62600	15946	IRR	Washoe County	NE	SE	16	22	21	2.00	8.00		0.00	0.00	Fallow	Same well as 40587
62640	PER	IRR	Washoe County	NE	SE	14	22	21	0.50	2.00		0.00	0.00		Undeveloped
62641	PER	IRR	Washoe County	NE	SE	14	22	21	1.38	5.50		0.00	0.00		Undeveloped
62642	PER	IRR	Washoe County	NE	NW	1	22	20	0.50	2.00		0.00	0.00		Shop & landscaping; no well @ POD
62643	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	1.25	5.00		1.25	3.58	Pasture grass	Small pond too
62644	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	2.50	10.00		2.50	7.17	Pasture grass	Small pond too
62827	PER	I&D	Willey, Gus & Hazel M.	SE	SW	36	23	20	0.25	1.00		0.25	1.62	Trees & greenhouse	Domestic use also
62889	PER	IRR	Fahnestock Family Trust 07-95	SW	NE	8	22	21	21.87	80.00				Turf	
62889	PER	IRR	Fahnestock Family Trust 07-95	SE	NE	8	22	21	40.26					Turf	
62889	PER	IRR	Fahnestock Family Trust 07-95	N2	NW	9	22	21	70.00					Turf	
62889	PER	IRR	Fahnestock Family Trust 07-95	S2	N2	9	22	21	161.81			20.00	73.54	Turf	Well WT-1
62890	PER	IRR	Fahnestock Enterprises, Inc.	SW	NE	8	22	21	21.87	540.00				Turf	
62890	PER	IRR	Fahnestock Enterprises, Inc.	SE	NE	8	22	21	40.26					Turf	
62890	PER	IRR	Fahnestock Enterprises, Inc.	N2	NW	9	22	21	70.00					Turf	
62890	PER	IRR	Fahnestock Enterprises, Inc.	S2	N2	9	22	21	161.81			135.00	496.40	Turf	Well WT-1
63064	15932	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.00	8.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63065 et.al; Well failed; Irrigated from WT-1 and WT-2
63065	15933	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.75	11.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
63070	E-PER	ENV	The Boeing Company	SE	18	22	22	**	48.39		**	0.00	0.00	Remediation	Wells CEX-4, CEX-5, CEX-6; Water pumped reported annually
63071	E-PER	ENV	The Boeing Company	SE	18	22	22	**	48.39		**	0.00	0.00	Remediation	Wells CEX-1, CEX-2, CEX-3; Water pumped reported annually
63072	15934	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
63074	15935	IRR	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.50	6.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
63139	PER	IRR	Washoe County	SE	SE	7	21	22	0.88	3.50		0.00	0.00		Unequipped well
63221	ABR	IRR	Patrick, Michael J.	SE	SW	23	22	21	1.13	4.50	4.50				Well and meter; ABR 75552 10/24/2007
63456	15939	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
63518	ABR	Q-M	Palomino Valley G.I.D.	NW	SE	32	23	21	**	8.00	8.00			Road maintenance	Same well as 46199; ABR 77335 10/19/2009
63708	15940	IRR	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.50	10.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
64011	PER	IRR	F & M Family Trust	SW	SE	19	22	21	2.00	8.00		2.00	3.52	Pasture	Same well as 69226; Arena and home
64265	15941	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.00	8.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
64266	15942	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
64268	15943	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	1.00	4.00		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
64269	15944	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	2.13	8.50		0.00	0.00	Watermelon and Pumpkin on NE NE	Same well as 63064 et.al.; Well failed; Irrigated from WT-1 and WT-2
64501	15947	I&D	Washoe County	NE	SE	16	22	21	3.30	7.00		0.00	0.00	Fallow	Same well as 40587; Por. ABR by 74439 8/13/2007; WaCo por. 7.0 AFA
64660	ABR	I&D	Edmunds, Scott	SW	NW	13	22	21	1.00	4.00	4.00			Pasture grass, alfalfa & orchard	Same POU as 53242; ABR by 73996 10/19/2006
64812	PER	I&D	Lamarra, Anthony & Betty & Washoe Co.	SW	SE	36	22	20	1.75	7.00		0.00	0.00		Domestic use only
65072	PER	I&D	Miller, Clel	SE	SW	10	22	21	9.75	39.00		0.00	0.00		Well only; Supplemental to 65073
65073	PER	I&D	Miller, Clel	SE	SW	10	22	21	9.75	39.00	39.00	0.00	0.00		Well only; Supplemental to 65072
65095	ABR	Q-M	Palomino Valley G.I.D.	NW	SE	32	23	21	**	1.00	1.00			Road maintenance	Same well as 46199; ABR 76042 11/26/2007
65500	PER	I&D	Guidera, Leslie C.	SE	SE	35	23	20	3.00	12.00		3.00	16.54	Alfalfa	Equipped well, sheds and animal pens
65570	E-PER	ENV	The Boeing Company	NW	NW	13	22	21	**	177.40		**	3.10		Wells DEX-2, DEX-9, DEX-10, DEX-13; Water pumped submitted annually
65571	E-PER	ENV	The Boeing Company	SW	SE	12	22	21	**	129.00		**	9.11		Wells DEX-1, DEX-3, DEX-4, DEX-14, DEX-15; Water pumped submitted annually
65572	E-PER	ENV	The Boeing Company	SW	SW	7	22	21	**	56.40		**	6.76		Wells DEX-5, DEX-6; Water pumped submitted annually
65573	E-PER	ENV	The Boeing Company	NW	SW	7	22	21	**	40.30		**	0.37		Well DEX-7; Water pumped submitted annually
65680	PER	I&D	Pitts, Clifford M.	NW	NE	6	21	22	1.00	4.00		1.00	5.58		Mostly domestic
66410	16548	COM	Larry McFall Trust 8/20/2004	SW	SE	22	22	21	**	1.12		**	0.35	Truck garden & berries	Domestic use also
66411	16549	COM	Larry McFall Trust 8/20/2004	SW	SE	22	22	21	**	3.84		**	1.16	Truck garden & berries	Domestic use also
66859	PER	IRR	Washoe County	NE	SW	13	22	20	10.45	5.00		0.00	0.00		Undeveloped; Por. ABR 74441 08/13/2007
67629	PER	IRR	Stone, Robert L. & Marilou	NE	NE	7	22	21	0.50	2.00		0.00	0.00		No well at POD; Domestic use on parcel from other well
67630	PER	IRR	Mann, Angela R. Beard- & Richard L.	NE	NE	35	22	21	0.63	2.50		0.63	0.34	Garden & landscaping	Domestic use on parcel from other well
67631	ABR	IRR	Edward L. & Jennie P. Rollie Rev. Trust	SE	NW	14	21	22	1.00	4.00	4.00				ABR 76648 01/26/2009
67632	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	18.37	18.37	**	3.56	Colony dwellings and public facilities	Supplemental to 52089 et.al; unequipped
67633	PER	Q-M	Reno-Sparks Indian Colony	NE	NW	4	21	20	164	18.37	18.37	**	0.00	Colony dwellings and public facilities	Supplemental to 52089 et.al; unequipped
67732	PER	I&D	Hudspeth, Richard L.	NW	NE	27	22	21	0.50	2.00		0.50	0.66		Unequipped well; Same well as 69023; Domestic use from different well
67875	ABR	Q-M	Palomino Valley G.I.D.	NW	SE	32	23	21	**	4.00	4.00			Road maintenance	Same well as 46199; ABR 76937 02/19/2009
67952	PER	IRR	Baptiste, Johnson & Richardson, et. Al.	SE	SW	16	22	21	3.13	12.50		0.00	0.00	3.125 acres	No well or meter; Dom. from other well; Por ABR 77037 07/10/2009
67992	PER	IRR	Jones, Gregory W. & Laura	NE	SW	2	22	20						1/2 acre pasture; trees	Domestic use from other well
67992	PER	IRR	Jones, Gregory W. & Laura	NW	SW	2	22	20						trees	Metered use from different well
67992	PER	IRR	Jones, Gregory W. & Laura	SE	SW	2	22	20	2.38	9.50		0.00	0.00	2.375 acres	No meter on permitted well
68067	17270	IRR	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20	10.00	40.00		10.00	40.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68068	17271	IRR	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20	2.50	10.00		2.50	10.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68068	17271	IRR	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	5.00	20.00		5.00	20.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68069	17272	I&D	Capurro, George J. & Elaine Kinerson	SW	NE	25	22	20	4.54	18.16		4.54	18.16	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68069	17272	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	0.46	1.84		0.46	1.84	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68070	17273	I&D	Capurro, George J. & Elaine Kinerson	SE	NE	25	22	20	5.00	20.00		5.00	20.00	Grass hay and stockwater	Feeds swamp too; Estimated use (meter broken)
68228	PER	IRR	Fahnestock Enterprises, Inc.	SW	NE	8	22	21	21.87	192.00		8.00	27.65	Turf	
68228	PER	IRR	Fahnestock Enterprises, Inc.	SE	NE	8	22	21	40.26			40.00	138.28	Turf	
68228	PER	IRR	Fahnestock Enterprises, Inc.	N2	NW	9	22	21	70.00					Turf	
68228	PER	IRR	Fahnestock Enterprises, Inc.	S2	N2	9	22	21	161.81					Turf	Well WT-2
68300	PER	IRR	Rankin, Wayne C.	NE	NE	12	21	21						Trees and Llama	
68300	PER	IRR	Rankin, Wayne C.	SE	NE	12	21	21	1.00	4.00		1.00	2.71	Trees and Llama	

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
68313	PER	I&D	Carl D. Herold Trust 8/27/1999	NE	NE	14	23	20	1.50	6.00		1.50	0.34	Landscaping	Shed; POD (well) N23E20 14ad
68314	PER	I&D	The Francis J. Fischer Trust	NW	NW	13	23	20	1.50	6.00		1.50	0.30	Landscaping	POD (well) N23E20 14ad
68315	PER	I&D	The Francis J. Fischer Trust	NW	NW	13	23	20	1.00	4.00		1.00	0.45	Landscaping	POD (well) N23E20 14ad
68709	PER	IRR	The Paulsue Living Tr. 3/10/1994 & WaCo	NW	NE	21	22	21	13.00	52.00		0.00	0.00	Fallow	Former Wendland Well; WaCo por. 32.0 AFA
68845	17294	I&D	Fahnestock Family Trust 05-95	NW	NE	9	22	21		52.00		13.00	44.94	Turf	Well WT-2; Irrigated N2 NE 09
68847	17295	I&D	Fahnestock Family Trust 05-95	NW	NE	9	22	21		28.00		7.00	24.20	Turf	Well WT-2; Irrigated N2 NE 09
68849	17296	I&D	Fahnestock Family Trust 05-95	NW	NE	9	22	21		20.00		5.00	17.28	Turf	Well WT-2; Irrigated N2 NE 09
68914	PER	I&D	Rankin Living Trust 12/3/2001	SE	NE	12	21	21	1.25	5.00		1.25	3.39	Trees and Llama	
68914	PER	I&D	Rankin Living Trust 12/3/2001	NE	NE	12	21	21						Trees and Llama	Same well as 68300
68915	PER	I&D	Rankin Living Trust 12/3/2001	SE	NE	12	21	21	1.30	5.20		1.30	3.52	Trees and Llama	Same well as 68300
68915	PER	I&D	Rankin Living Trust 12/3/2001	NE	NE	12	21	21						Trees and Llama	
68919	E-PER	ENV	The Boeing Company	SE	NE	7	22	22	**	24.18		**	0.00	Remediation	Well D-37A; Pump figures reported annually
68947	ABR	I&D	Cook, Sue Ann & Smith, Rustin S.			16	22	22	0.50	2.00	2.00				Domestic only; ABR 74087 01/08/2007
69023	ABR	IRR	Edmunds, Scott	NW	NE	27	22	21	1.25	5.00	5.00				Same well as 67732; Dom use from other well; ABR by 73997 10/19/2006
69025	PER	IRR	Barnes, Larry E. & Annette R.	NE	SW	35	23	20	2.00	8.00		2.00	8.67	Pastures for draft horses	Domestic use from other well
69032	REL	I&D	Washoe County	SW	NW	15	22	21	10.00	40.00	40.00				Same well as 69033 et.al.; REL 03/19/2010
69033	REL	I&D	Washoe County	SW	NW	15	22	21	15.00	60.00	60.00				Same well as 69032 et.al.; REL 03/19/2010
69034	REL	I&D	Washoe County	SW	NW	15	22	21	3.29	13.16	13.16				Same well as 69032 et.al.; REL 03/19/2010
69035	REL	I&D	Washoe County	SW	NW	15	22	21	0.21	0.84	0.84				Same well as 69032 et.al.; REL 03/19/2010
69036	REL	I&D	Washoe County	SW	NW	15	22	21	2.50	10.00	10.00				Same well as 69032 et.al.; REL 03/19/2010
69037	ABR	I&D	Washoe County	SW	NW	15	22	21	11.96	47.82	47.82			11.955 acres	Same well as 69032; REL 3/19/10 (33.5 AF); ABR 78715 5/19/10; ABR 75273 8/9/07
69038	ABR	I&D	Cuneo Family Trust 9/24/1976	SW	NW	15	22	21	2.02	8.08	8.08				Same well as 69032 et.al.; ABR 75274 08/09/2007
69159	ABR	Q-M	Palomino Valley G.I.D.	NW	SE	32	23	21	**	4.98	4.98			Road maintenance	Same well as 46199, et.al.; ABR 76938 02/19/2009
69169	E-PER	ENV	The Boeing Company	SW	SW	12	22	21	**	16.07		**	0.31	Remediation	Well DEX-16; POU large; Pump figures submitted annually
69226	PER	I&D	F & M Family Trust	SW	SE	19	22	21	2.38	9.50		2.38	4.18	Pasture and landscaping; 2.375 acres	Same well as 64011; Por. REL 03/19/2010 (2.5 AF)
69432	E-PER	ENV	The Boeing Company	NW	NW	13	22	21	**	16.07		**	0.31	Remediation	Well DEX-17; POU large; Pump figures submitted annually
69580	PER	I&D	Reno-Sparks Indian Colony	NE	NE	9	22	21	0.97	3.88		3.88	3.35	Turf	Well WT-2
69582	PER	I&D	Reno-Sparks Indian Colony	NE	NE	9	22	21	3.03	12.12		12.12	10.47	Turf	Well WT-2
69584	PER	I&D	Reno-Sparks Indian Colony	NE	NE	9	22	21	1.50	6.00		6.00	5.19	Turf	Well WT-2
69586	PER	I&D	Reno-Sparks Indian Colony	NE	NE	9	22	21	3.50	14.00		14.00	12.10	Turf	Well WT-2
69708	PER	Q-M	Reno-Sparks Indian Colony	SW	SE	31	22	20	164	45.92	45.92	**	8.93	Colony dwellings and public facilities	Supplemental to 52089 et.al.
69709	PER	Q-M	Reno-Sparks Indian Colony	SE	SE	31	22	20	164	45.92	45.92	**	17.43	Colony dwellings and public facilities	Supplemental to 52089 et.al.
69780	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	0.63	2.50		0.63	1.79	Pasture grass; 0.625 acres	Small pond too; Por. ABR 76641 03/27/2009
69781	PER	IRR	Messenger Molding, Inc.	SW	SE	24	22	20	1.38	5.50		1.38	3.94	Pasture grass; 1.375 acres	Small pond too
69798	E-PER	ENV	The Boeing Company	NE	SW	28	22	21	**	15.98		**	0.00	Remediation	Wells B-10A, B-11A, B-20A & B-21A; Pump figures submitted annually
70223	E-PER	ENV	The Boeing Company	NE	SW	28	22	21	**	16.07		**	0.00	Remediation	Wells B-22, B-23, B-24 & B-25; Pump figures submitted annually
70420	REL	IRR	Jordan, Timothy R.	NE	SE	10	22	21	1.50	6.00	6.00				REL 03/19/2010
70699	PER	Q-M	Washoe County	SE	NW	4	22	21	**	2.50		**	1.13	Fire Station	
70762	PER	IRR	The Francis J. Fischer Trust	NW	NW	13	23	20	0.50	2.00		0.00	0.00	Landscaping	POD (well) N23E20 14ad

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS
				Q1	Q2	SEC	T	R							
70763	PER	IRR	Herold, Carl D.	NE	NE	14	23	20	1.50	6.00		1.50	0.45	Landscaping	POD (well) N23E20 14ad
70856	PER	I&D	Cockerill, Edward J.	NW	NW	11	22	21	0.25	1.00			0.00	No meter	Same POU as 70857
70857	PER	I&D	Cockerill, Edward J.	NW	NW	11	22	21	0.25	1.00	1.00	0.00	0.00	No meter	Same POU as 70856
71589	PER	STK	U.S.D.I. - BLM	NW	NE	7	22	21	750	14.94		**	7.85		No well yet.
71744	PER	I&D	Palomino Valley Estates, Inc.	SE	SE	16	22	21	1.20	4.80		0.58	0.92	Garden and landscaping	Same well as 71745
71745	PER	IRR	Newell, George W. & Lolita L.	SE	SE	16	22	21	0.75	3.00		0.00	0.00		Same well as 71744
71777	PER	I&D	1998 R.O. & V.J. Wise Revocable Trust	SE	NE	11	22	21	0.25	1.00		1.00	0.99	Landscaping	Mostly domestic
71953	17302	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	4.75	19.00		4.75	16.42	Turf	Well WT-2
71953	17302	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21						Turf	
71954	17303	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	5.00	20.00		5.00	17.28	Turf	Well WT-2
71954	17303	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21						Turf	
71955	17304	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	5.00	20.00		5.00	17.28	Turf	Well WT-2
71955	17304	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21						Turf	
71956	17305	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	3.00	12.00		3.00	10.37	Turf	Well WT-2
71956	17305	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21						Turf	
71957	17306	I&D	Hayes, Edward J. & Constance G.	NW	NE	9	22	21	3.25	12.50		3.25	10.80	Turf	Well WT-2
71957	17306	I&D	Hayes, Edward J. & Constance G.	NE	NE	9	22	21						Turf	
73117	E-PER	ENV	The Boeing Company	SE	18	22	22	**	8.03		**	0.00	0.00	Remediation	Well CEX-7; Water pumped reported annually
73154	ABR	Q-M	Palomino Valley G.I.D.	NW	SE	32	23	21	**	4.00	4.00			Road maintenance	Same well as 46199, et.al.; ABR 76043 11/26/2007
73238	PER	IRR	Baird, John W. & Ellen J.	S2	NE	25	22	21	1.50	6.00		0.00	0.00	No meter	Same well as 73239
73239	PER	I&D	Baird, John W. & Ellen J.	S2	NE	25	22	21	1.00	4.00		0.00	0.00	No meter	Same well as 73238
73443	PER	I&D	Shirk, Clifford R. & Debra S.	NW	NE	15	22	21	5.00	20.00		0.20	0.10	Greenhouse and truck garden	
73500	PER	I&D	Washoe County	SE	SE	4	22	21	5.00	20.00		0.00	0.00	No meter	
73568	PER	I&D	Carney, Ronald J. & Mary Anne	S2	NE	34	22	21	3.13	12.50		0.00	0.00	No meter	
73841	PER	Q-M	U.S.D.I. - BLM	SE	NW	4	22	21	**	1.50		**	0.68	Fire station	
73995	ABR	I&D	Ronald L. Olson Trust	SE	SW	17	23	21	0.25	1.00	1.00			Complete POU not listed	ABR 75426 10/24/2007
73996	ABR	I&D	Ronald L. Olson Trust	SE	SW	17	23	21	1.00	4.00	4.00			Complete POU not listed	ABR 75427 09/14/2007
73997	ABR	I&D	Ronald L. Olson Trust	SE	SW	17	23	21	1.25	5.00	5.00			Complete POU not listed	ABR 75428 10/24/2007
74087	PER	I&D	Cook, Sue Ann & Smith, Rustin S.	SW	26	23	20	0.50	2.00		0.00	0.00			
74437	ABR	IRR	Condon, Philip E. & Heather C.	NE	SE	16	22	21	2.50	10.00	10.00				ABR 77496 06/24/2009
74438	PER	I&D	MPG Land Holdings	S2	NW	34	22	21	3.63	14.50		0.00	0.00		
74438	PER	I&D	MPG Land Holdings	SW	34	22	21								
74439	PER	I&D	MPG Land Holdings & Washoe County	S2	NW	34	22	21	1.55	6.20		0.00	0.00		
74439	PER	I&D	MPG Land Holdings & Washoe County	SW	34	22	21								
74440	PER	IRR	MPG Land Holdings & Washoe County	S2	NW	34	22	21	1.25	5.00		0.00	0.00		
74440	PER	IRR	MPG Land Holdings & Washoe County	SW	34	22	21								
74441	PER	IRR	MPG Land Holdings & Washoe County	S2	NW	34	22	21	9.20	36.80		0.00	0.00		
74441	PER	IRR	MPG Land Holdings & Washoe County	SW	34	22	21								
74442	PER	IRR	Millennium Properties of Northern Nevada	S2	NW	34	22	21	5.00	20.00		0.00	0.00		

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
74442	PER	IRR	Millennium Properties of Northern Nevada		SW	34	22	21								
74986	PER	ENV	The Boeing Company		SW	NE	7	22	22	**	32.26		**	24.80	Remediation	Well D-53A
75272	PER	I&D	The Cuneo Family Trust		SW	SW	15	22	21	10.00	40.00		0.00	0.00		
75273	PER	I&D	The Cuneo Family Trust		SW	SW	15	22	21	2.36	9.42		0.00	0.00		2.355 acres
75274	PER	I&D	The Cuneo Family Trust		SW	SW	15	22	21	2.02	8.08		0.00	0.00		
75426	PER	COM	The Ronald L. Olson Trust & Washoe Co.		SW	SE	26	22	21	**	1.00		**	0.05	Horse Arena	Same well as 75428, 75550, et.al.
75426	PER	COM	The Ronald L. Olson Trust & Washoe Co.		NW	NE	35	22	21							
75427	PER	I&D	The Ronald L. Olson Trust & Washoe Co.		E2	NW	22	22	21	1.00	4.00		0.50	1.28	Horse Boarding	
75428	PER	COM	Washoe County		SW	SE	26	22	21	**	5.00		**	0.00	Horse Arena	Same well as 75426, 75550, et.al.
75428	PER	COM	Washoe County		NW	NE	35	22	21							
75473	PER	IRR	Tehama Holdings, Inc.		NE	NE	5	22	21	3.21	12.84		3.21		Alfalfa	MCO #2
75473	PER	IRR	Tehama Holdings, Inc.		NW	NE	5	22	21	7.66	30.64		7.66	62.83	Alfalfa	Total duty pumped under permit
75473	PER	IRR	Tehama Holdings, Inc.		SE	NE	5	22	21	0.12	0.48		0.12		Alfalfa	
75473	PER	IRR	Tehama Holdings, Inc.		SW	NE	5	22	21	0.34	1.36		0.34		Alfalfa	
75473	PER	IRR	Tehama Holdings, Inc.		NE	NW	5	22	21	0.34	1.36		0.34		Alfalfa	
75473	PER	IRR	Tehama Holdings, Inc.		SE	NW	5	22	21	0.17	0.68		0.17		Alfalfa	
75473	PER	IRR	Tehama Holdings, Inc.		SE	SE	32	23	21	3.55	14.20		3.55		Alfalfa	
75473	PER	IRR	Tehama Holdings, Inc.		SW	SE	32	23	21	13.07	52.28		13.07		Alfalfa	
75473	PER	IRR	Tehama Holdings, Inc.		SE	SW	32	23	21	0.24	0.96		0.24		Alfalfa	
75550	PER	I&D	The Ronald L. Olson Trust & Washoe Co.		SW	SE	26	22	21	0.38	1.50		0.00	0.00	0.375 acres and Horse Arena	Same well as 75426, 75550, et.al.
75550	PER	I&D	The Ronald L. Olson Trust & Washoe Co.		NW	NE	35	22	21							
75551	PER	I&D	The Ronald L. Olson Trust & Washoe Co.		SW	SE	26	22	21	0.88	3.50		0.00	0.00	0.875 acres and Horse Arena	Same well as 75426, 75550, et.al.
75551	PER	I&D	The Ronald L. Olson Trust & Washoe Co.		NW	NE	35	22	21							
75552	PER	I&D	The Ronald L. Olson Trust		SW	SE	26	22	21	1.13	4.50		0.00	0.00	1.125 acres and Horse Arena	Same well as 75426, 75550, et.al.
75552	PER	I&D	The Ronald L. Olson Trust		NW	NE	35	22	21							
75553	PER	I&D	Pratt, Tom & Lannette		W2	NW	4	22	21	15.30	61.20		15.30	58.85	Alfalfa	Same well as 77496
76042	PER	Q-M	Palomino Valley G.I.D.		SW	SE	33	23	21	**	1.00		**	0.49	Road maintenance	Same well as 76937, et.al.; POU all roads in valley
76043	PER	Q-M	Palomino Valley G.I.D.		SW	SE	33	23	21	**	4.00		**	2.92	Road maintenance	Same well as 76042, et.al.; POU all roads in valley
76641	PER	IRR	Jordan, Timothy R. & Washoe County		E2	SE	10	22	21	0.50	2.00		0.00	0.00		
76648	PER	I&D	Rollie Revocable Trust		SW	SW	26	22	22	1.00	4.00		0.00	0.00		
76937	PER	Q-M	Palomino Valley G.I.D.		SW	SE	33	23	21	**	4.00		**	2.92	Road maintenance	Same well as 76043, et.al.; POU all roads in valley
76938	PER	Q-M	Palomino Valley G.I.D.		SW	SE	33	23	21	**	4.98		**	3.64	Road maintenance	Same well as 76042, et.al.; POU all roads in valley
77037	PER	I&D	The Richardson Family Trust 1998		NE	NW	5	21	22	1.88	7.50		0.00	0.00	1.875 acres	
77037	PER	I&D	The Richardson Family Trust 1998		E2	NW	32	22	22							
77037	PER	I&D	The Richardson Family Trust 1998		E2	SW	32	22	22							
77122	PER	I&D	Washoe County		SE	SE	1	21	21	1.25	5.00		0.00	0.00		
77316	PER	I&D	Moe/Mercier Living Trust		N2	NE	29	22	22	10.00	40.00		0.00	0.00		
77335	PER	Q-M	Palomino Valley G.I.D.		SW	SE	33	23	21	**	8.00		**	5.85		

PERMIT	STAT	MOU	PERMITTEE	PLACE OF USE					UNITS/ ACRES	DUTY (AF)	SUPP ADJ.	UNITS USED	DUTY USED	CULTURE/UNIT TYPE	COMMENTS	
				Q1	Q2	SEC	T	R								
77496	PER	I&D	Condon, Philip E. & Heather C.	NW	NW	4	22	21	2.50	10.00		2.50	9.62	Alfalfa	Same well as 75553	
78074	PER	COM	Washoe County	S2	SE	26	22	21	**	2.00		**	0.00			
78714	PER	I&D	Michael B. Stewart Living Trust	SW	NE	8	22	21	13.75	55.00		6.20	47.53		Well WT-2	
78714	PER	I&D	Michael B. Stewart Living Trust	SE	NE	8	22	21				36.80			POU same as 68300, et. al.	
78714	PER	I&D	Michael B. Stewart Living Trust	N2	NW	9	22	21				52.00				
78714	PER	I&D	Michael B. Stewart Living Trust	S2	N2	9	22	21				132.50				
78715	PER	I&D	Honalo Kai, LLC	SW	NE	8	22	21	1.23	4.90		6.20	4.23	1.225 acres	Well WT-2	
78715	PER	I&D	Honalo Kai, LLC	SE	NE	8	22	21				36.80			POU same as 68300, et. al.	
78715	PER	I&D	Honalo Kai, LLC	N2	NW	9	22	21				52.00				
78715	PER	I&D	Honalo Kai, LLC	S2	N2	9	22	21				132.50				
DOMW			DOMESTIC WELLS						309			346.08		Domestic Duty = 1.12 AF per well (1000 gal./day)		
CTOT			COLUMN TOTALS							7786.13	951.95		3575.90			Est. from WaCo Assessor records of parcel "improvements" & domestic well reports
DTOT			DUTY TOTALS							6834.18			3575.90			

APPENDIX B

NUMERICAL LISTING BY

APPLICATION NUMBER

AND

SUMMARY OF GROUNDWATER PUMPED

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2005	2006	2007	2008	2009	2010
23888	8283	562.40	IRR	175.51	404.94	428.82	428.83	251.87	251.87
24099	7599	4.00	STK	2.67	2.06	3.04	<u>2.30</u>	2.38	2.10
27395	9317	8.01	REC	1.25	0.82	0.68	1.62	0.67	0.66
28071	RLP	2.50	DOM						
28076	RLP	7.50	DOM						
30108	RLP	8.00	DOM						
30109	RLP	5.00	DOM						
32363	12348	24.00	IRR	25.64	21.17	<u>8.00</u>	<u>1.00</u>	<u>0.66</u>	<u>0.66</u>
34668	10495	8.00	I&D	4.43	3.14	3.35	3.35	3.35	3.35
34670	ABR	0.00	IRR	0.00	0.00	0.00			
35486	10034	8.00	IRR	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>	<u>8.00</u>
35565	11087	0.17	REC	0.55	0.30	0.15	0.60	0.67	0.68
39166	10496	25.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
39167	10457	152.00	IRR	167.20	210.00	<u>160.00</u>	<u>150.00</u>	<u>150.00</u>	<u>135.00</u>
39593	16807	64.60	I&D	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	64.73
39849	PER	19.98	REC	0.79	1.53	2.27	4.28	4.28	4.29
40587	11180	25.00	IRR	0.00	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00
42403	11875	0.02	Q-M	0.01	0.01	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
43005	11238	5.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
43006	11181	8.00	I&D	3.00	2.00	<u>2.00</u>	<u>1.00</u>	<u>1.00</u>	<u>0.00</u>
45095	10798	8.00	I&D	4.84	7.17	<u>6.00</u>	<u>4.00</u>	<u>4.00</u>	<u>0.00</u>
46199	13137	159.50	IRR	65.87	140.70	72.85	72.84	84.11	84.11
47562	12057	16.00	I&D	13.35	15.10	<u>12.00</u>	<u>12.00</u>	<u>12.00</u>	<u>12.00</u>
47599	13820	2.00	IRR	0.26	0.38	<u>0.25</u>	<u>0.08</u>	<u>0.00</u>	<u>0.00</u>
48819	12354	5.20	STK	0.28	0.90	<u>0.00</u>	<u>0.90</u>	<u>0.90</u>	<u>0.10</u>
49445	13822	2.50	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
49669	11974	235.40	IRR	83.25	125.33	60.80	2.59	<u>0.00</u>	<u>0.00</u>
49670	11975	300.00	IRR	106.10	157.45	77.49	3.29	<u>0.00</u>	<u>0.00</u>
50021	13542	14.94	STK	19.91	15.37	22.71	<u>14.67</u>	8.88	7.85
50054	13051	10.00	I&D	3.81	8.48	8.54	8.40	2.97	2.97
50056	13610	4.00	I&D	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
50764	15254	24.00	I&D	0.01	1.80	<u>0.00</u>	<u>0.00</u>	<u>24.00</u>	<u>4.37</u>
51002	13241	12.00	I&D	7.26	4.77	<u>2.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
51169	16539	8.00	I&D	6.37	5.12	6.49	6.49	3.13	3.13
51474	17308	7.00	I&D	5.57	4.48	6.06	6.06	<u>2.00</u>	<u>0.92</u>
51534	RLP	2.02	DOM						
51972	RLP	2.02	DOM						
51973	RLP	2.02	DOM						

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2005	2006	2007	2008	2009	2010
51974	RLP	2.02	DOM						
51975	RLP	2.02	DOM						
51976	RLP	2.02	DOM						
51977	RLP	2.02	DOM						
52089	PER	18.37	Q-M	0.00	0.00	0.00	0.00	0.00	0.00
52202	13311	16.00	IRR	16.73	18.91	23.02	23.02	17.26	17.26
52842	13312	4.00	I&D	4.18	4.73	5.75	5.75	4.31	4.31
53242	PER	5.00	IRR	1.33	3.48	7.42	7.42	7.42	7.42
53275	14073	4.00	I&D	3.05	4.03	3.50	3.50	4.34	4.34
53278	PER	5.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
53303	ABR	129.30	I&D	108.02	130.36	<u>0.00</u>			
53304	12898	4.59	I&D	4.79	4.60	6.08	6.08	2.25	2.25
53305	ABR	0.00	I&D	50.24	63.21	<u>0.00</u>			
53306	12900	20.40	I&D	21.22	20.40	27.02	27.02	10.00	10.00
53307	12901	32.12	I&D	33.41	32.12	42.54	42.54	15.75	15.75
53308	12902	127.88	I&D	133.03	127.88	169.35	169.35	62.70	62.70
53313	PER	55.10	Q-M	31.61	10.99	13.50	13.81	13.99	10.40
53343	RLP	16.00	DOM	0.61	0.84	<u>0.90</u>	<u>0.90</u>	<u>0.90</u>	<u>0.90</u>
53346	15930	1.50	IRR	1.47	1.76	1.64	1.64	1.32	1.32
53346	RLP	2.50	DOM						
53674	15949	2.50	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
53864	RLP	4.00	DOM	0.81	1.02	1.35	1.35	1.35	1.35
53865	15261	15.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
54167	PER	8.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	<u>0.00</u>
54265	RLP	1.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	<u>0.00</u>
54463	PER	6.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
54465	PER	16.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
54466	PER	12.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
54468	PER	16.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
54470	PER	16.00	IRR	0.00	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
54889	14080	10.00	IRR	8.86	9.00	6.20	6.20	4.91	4.91
55118	ABR	0.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	<u>0.00</u>
55118	RLP	7.50	DOM						
55119	ABR	0.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	<u>0.00</u>
55119	RLP	3.50	DOM						
55326	PER	8.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	<u>0.00</u>
55483	PER	1.50	IRR	1.03	0.61	0.43	0.43	0.35	0.35
55483	RLP	2.50	DOM						
55603	14068	180.00	IRR	132.76	87.88	<u>139.47</u>	<u>139.47</u>	<u>116.23</u>	<u>105.77</u>

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2005	2006	2007	2008	2009	2010
55604	14069	43.36	IRR	34.95	21.15	<u>33.56</u>	<u>33.56</u>	<u>27.97</u>	<u>25.45</u>
55605	14070	11.72	IRR	8.64	5.72	<u>9.08</u>	<u>9.08</u>	<u>7.57</u>	<u>6.89</u>
55606	14071	304.68	IRR	224.73	148.76	<u>236.08</u>	<u>236.08</u>	<u>196.74</u>	<u>179.03</u>
55607	14072	4.24	IRR	3.16	2.09	<u>3.32</u>	<u>3.32</u>	<u>2.77</u>	<u>2.52</u>
55656	14987	4.00	IRR	3.41	4.21	3.33	3.33	3.33	3.33
55657	15950	4.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
55658	15951	24.50	IRR	0.01	1.31	0.00	0.00	<u>0.00</u>	0.00
55659	15952	4.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56164	RLP	2.50	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56472	16173	4.00	IRR	3.05	4.03	3.49	3.49	4.33	4.33
56927	RLP	5.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56929	RLP	20.00	DOM	4.00	7.00	0.00	0.00	<u>0.00</u>	0.00
56930	PER	1.20	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56931	PER	7.20	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56932	RLP	12.50	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56933	RLP	17.50	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56934	PER	3.60	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
56963	PER	8.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
57084	14031	409.48	IRR	300.23	362.43	344.23	344.23	264.32	264.32
57085	14078	92.52	IRR	59.31	90.48	89.87	89.87	50.64	50.64
57086	14032	112.40	IRR	72.06	109.92	109.17	109.17	61.52	61.52
57087	14033	0.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
57088	14034	9.08	IRR	5.82	8.88	8.82	8.82	4.97	4.97
57089	14035	0.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
57090	14036	57.32	IRR	42.03	50.73	48.19	48.19	37.00	37.00
57091	14037	0.00	IRR	0.00	0.00	0.00	0.00	0.00	0.00
57092	14038	68.80	IRR	50.44	60.90	57.84	57.84	44.41	44.41
57093	14039	86.00	IRR	63.06	76.12	72.30	72.30	55.51	55.51
57094	14040	150.60	IRR	110.42	133.30	126.60	126.60	97.21	97.21
57095	14041	127.60	IRR	81.80	124.78	123.94	123.94	69.84	69.84
57175	RLP	4.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
57444	15276	11.20	IRR	8.26	5.47	<u>8.68</u>	<u>8.68</u>	<u>7.23</u>	<u>6.58</u>
57445	15277	24.00	IRR	17.70	11.72	<u>18.60</u>	<u>18.60</u>	<u>15.50</u>	<u>14.10</u>
57446	15278	20.80	IRR	15.34	10.16	<u>16.12</u>	<u>16.12</u>	<u>13.43</u>	<u>12.22</u>
57447	15279	13.97	IRR	10.31	6.82	<u>10.83</u>	<u>10.83</u>	<u>9.02</u>	<u>8.21</u>
57448	15280	5.50	IRR	4.06	2.69	<u>4.26</u>	<u>4.26</u>	<u>3.55</u>	<u>3.23</u>
57526	PER	4.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
57664	15412	8.00	IRR	7.11	6.76	8.13	8.13	8.13	8.13
57983	16909	1.50	IRR	0.69	0.98	1.20	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2005	2006	2007	2008	2009	2010
57983	RLP	2.50	DOM						
58057	PER	1.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
58359	RLP	5.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	
58507	14042	8.96	IRR	5.74	8.76	8.70	8.70	4.90	4.90
58508	14043	52.00	IRR	33.34	50.85	50.51	50.51	28.46	28.46
58509	14044	2.60	IRR	1.67	2.54	2.53	2.53	1.42	1.42
60214	PER	110.21	Q-M	23.91	8.59	10.40	7.40	7.55	8.93
60975	E-PER	16.13	ENV	0.17	0.00	0.00	0.00	0.00	0.00
62598	PER	8.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
62599	PER	8.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
62600	15946	8.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
62640	PER	2.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
62641	PER	5.50	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
62642	PER	2.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
62643	16543	5.00	IRR	4.20	5.01	0.39	0.39	3.58	3.58
62644	16544	10.00	IRR	8.40	10.03	0.77	0.77	7.17	7.17
62827	PER	1.00	I&D	1.67	1.39	1.62	1.61	1.61	1.62
62889	17291	80.00	IRR	57.60	63.85	92.51	92.51	73.54	73.54
62890	17292	540.00	IRR	388.77	430.98	624.43	624.43	496.40	496.40
63064	15932	8.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
63065	15933	11.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
63070	E-PER	48.39	ENV	12.65	5.49	4.51	3.25	0.52	0.00
63071	E-PER	48.39	ENV	12.96	5.47	10.53	15.87	1.57	0.00
63072	15934	4.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
63074	15935	6.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
63139	PER	3.50	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
63221	ABR	0.00	IRR	0.00	0.00	0.00			
63456	15939	4.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
63518	ABR	0.00	Q-M	7.70	7.31	1.64	1.64	<u>0.00</u>	
63708	15940	10.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
64011	PER	8.00	IRR	3.16	4.23	5.01	5.01	3.52	3.52
64265	15941	8.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
64266	15942	4.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
64268	15943	4.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
64269	15944	8.50	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
64501	15947	7.00	I&D	0.00	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00
64660	ABR	0.00	I&D	0.14	0.00	0.00			
64812	PER	7.00	I&D	0.00	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00
65072	PER	39.00	I&D	0.00	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2005	2006	2007	2008	2009	2010
65073	PER	0.00	I&D	0.00	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00
65095	ABR	0.00	Q-M	0.96	0.91	0.15	0.15		
65500	PER	12.00	I&D	0.18	5.66	0.60	14.74	16.54	16.54
65570	E-PER	177.40	ENV	11.28	9.73	9.36	6.91	3.93	3.10
65571	E-PER	129.00	ENV	11.63	10.73	9.05	7.79	6.72	9.11
65572	E-PER	56.40	ENV	10.53	14.83	12.06	8.01	6.84	6.76
65573	E-PER	40.30	ENV	0.50	0.69	0.62	0.37	0.34	0.37
65680	PER	4.00	I&D	1.82	1.56	5.58	5.58	5.58	5.58
66410	16548	1.12	COM	0.63	0.62	0.44	0.45	0.34	0.35
66411	16549	3.84	COM	2.15	2.11	1.53	1.53	1.15	1.16
66859	PER	5.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
67629	PER	2.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
67630	PER	2.50	IRR	0.00	0.32	1.51	1.50	0.34	0.34
67631	ABR	0.00	IRR	0.00	0.00	<u>0.00</u>	3.00	<u>0.00</u>	
67632	PER	0.00	Q-M	1.72	3.90	4.70	5.46	4.76	3.56
67633	PER	0.00	Q-M	0.00	0.00	0.00	0.00	0.00	0.00
67732	PER	2.00	IRR	0.09	0.49	0.40	0.40	0.66	0.66
67875	ABR	0.00	Q-M	3.85	3.66	0.60	0.60	0.00	
67952	PER	12.50	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
67992	PER	9.50	IRR	4.28	4.99	11.16	11.16	0.65	0.00
68067	17270	40.00	IRR	18.91	90.91	<u>40.00</u>	<u>40.00</u>	<u>40.00</u>	<u>40.00</u>
68068	17271	30.00	IRR	14.18	68.18	<u>30.00</u>	<u>30.00</u>	<u>30.00</u>	<u>30.00</u>
68069	17272	20.00	I&D	9.45	45.45	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>
68070	17273	20.00	I&D	9.45	45.45	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>	<u>20.00</u>
68228	17293	192.00	IRR	297.82	124.05	239.64	239.64	165.93	165.93
68300	PER	4.00	IRR	0.83	4.86	2.71	2.71	2.71	2.71
68313	PER	6.00	IRR	14.00	7.89	1.02	0.68	0.34	0.34
68314	PER	6.00	I&D	9.50	3.93	0.60	0.59	0.30	0.30
68315	PER	4.00	I&D	4.10	1.86	0.42	0.43	<u>0.45</u>	<u>0.45</u>
68709	PER	52.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
68845	17294	52.00	I&D	65.01	52.00	64.90	64.90	44.94	44.94
68847	17295	28.00	I&D	35.00	28.00	34.95	34.95	24.20	24.20
68849	17296	20.00	I&D	25.00	20.00	24.96	24.96	17.28	17.28
68914	PER	5.00	I&D	1.04	6.07	3.39	3.38	3.38	3.39
68915	PER	5.20	IRR	1.08	6.32	3.53	3.52	3.52	3.52
68919	E-PER	24.18	ENV	6.72	0.77	0.00	0.00	0.00	0.00
68947	ABR	0.00	I&D	0.00	0.00	<u>0.00</u>			
69023	ABR	0.00	IRR	1.11	0.00	<u>0.00</u>			
69025	PER	8.00	IRR	0.00	5.47	2.46	7.20	8.66	8.67

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR					
				2005	2006	2007	2008	2009	2010
69032	RLP	40.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
69033	RLP	60.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
69034	RLP	13.16	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
69035	RLP	0.84	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
69036	RLP	10.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
69037	ABR	0.00	IRR	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
69037	RLP	33.50	DOM						
69038	ABR	0.00	IRR	0.00	0.00	0.00			
69159	ABR	0.00	Q-M	4.79	4.55	0.75	0.75	0.00	
69169	E-PER	16.07	ENV	0.45	0.44	0.46	0.40	0.34	0.31
69226	PER	9.50	I&D	4.74	6.34	5.96	5.95	4.18	4.18
69226	RLP	2.50	DOM						
69432	E-PER	16.07	ENV	0.39	0.36	0.46	0.40	0.25	0.31
69580	17298	3.88	I&D	4.85	3.88	4.84	4.84	3.35	3.35
69582	17299	12.12	I&D	15.15	12.12	15.13	15.13	10.47	10.47
69584	17300	6.00	I&D	7.50	6.00	7.49	7.49	5.19	5.19
69586	17301	14.00	I&D	17.50	14.00	17.47	17.47	12.10	12.10
69708	PER	0.00	Q-M	4.39	8.93	11.69	13.63	11.88	8.93
69709	PER	0.00	Q-M	5.83	15.68	17.92	16.57	13.78	17.43
69780	PER	2.50	IRR	3.78	4.51	0.35	0.35	1.79	1.79
69781	PER	5.50	I&D	4.62	5.51	0.43	0.43	3.94	3.94
69798	E-PER	15.98	ENV	1.11	0.01	0.00	0.00	0.00	0.00
70223	E-PER	16.07	ENV	0.00	0.00	0.00	0.00	0.00	0.00
70420	RLP	6.00	DOM	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
70699	PER	2.50	Q-M	0.42	0.99	1.12	1.13	1.13	1.13
70762	PER	2.00	IRR		2.02	<u>0.00</u>	0.00	<u>0.00</u>	0.00
70763	PER	6.00	IRR		7.89	2.48	2.48	0.46	0.45
70856	PER	1.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
70857	PER	0.00	I&D	0.00	0.00	0.00	0.00	<u>0.00</u>	0.00
71589	PER	14.94	STK	0.00	0.00	0.00	<u>1.00</u>	8.88	7.85
71744	PER	2.30	I&D	0.00	0.00	0.55	0.54	0.92	0.92
71745	PER	3.00	IRR	0.00	0.00	<u>0.00</u>	0.00	<u>0.00</u>	0.00
71777	PER	1.00	I&D	0.00	0.87	0.98	0.98	0.99	0.99
71953	17302	19.00	I&D	23.76	45.57	23.71	23.71	16.42	16.42
71954	17303	20.00	I&D	25.01	47.97	24.96	24.96	17.28	17.28
71955	17304	20.00	I&D	25.01	47.97	24.96	24.96	17.28	17.28
71956	17305	12.00	I&D	15.00	28.78	14.98	14.98	10.37	10.37
71957	17306	12.50	I&D	15.63	29.98	15.60	15.60	10.80	10.80
72454	WDN		Q-M						

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR				
				2005	2006	2007	2008	2009
72455	WDN		Q-M					
72456	WDN		Q-M					
72457	WDN		Q-M					
72458	WDN		Q-M					
72459	WDN		Q-M					
72460	WDN		Q-M					
72461	WDN		Q-M					
72462	WDN		Q-M					
73117	E-PER	8.03	ENV	8.78	8.93	4.51	0.43	0.00
73154	ABR	0.00	Q-M	3.66	0.60	0.60		
73238	PER	6.00	IRR	0.00	0.00	0.00	<u>0.00</u>	0.00
73239	PER	4.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.00
73443	PER	20.00	I&D	0.00	0.00	0.00	<u>0.00</u>	0.10
73500	PER	20.00	I&D	0.00	0.00	0.00	0.00	0.00
73568	PER	12.50	I&D	0.00	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	0.00
73841	PER	1.50	Q-M		0.67	0.67	0.67	0.68
73995	ABR	0.00	I&D		0.00	0.00		
73996	ABR	0.00	I&D		0.00			
73997	ABR	0.00	I&D		0.00	0.00		
74087	PER	2.00	I&D		0.00	0.00	<u>0.00</u>	0.00
74437	ABR	0.00	IRR		<u>0.00</u>	0.00	<u>0.00</u>	
74438	PER	14.50	I&D		<u>0.00</u>	0.00	<u>0.00</u>	0.00
74439	PER	6.20	I&D		0.00	0.00	<u>0.00</u>	0.00
74440	PER	5.00	IRR		0.00	0.00	<u>0.00</u>	0.00
74441	PER	36.80	IRR		0.00	0.00	<u>0.00</u>	0.00
74442	PER	20.00	IRR		<u>0.00</u>	0.00	<u>0.00</u>	0.00
74986	E-PER	32.26	ENV		0.09	10.93	25.66	24.80
75272	PER	40.00	I&D		0.00	0.00	<u>0.00</u>	0.00
75273	PER	9.42	I&D		0.00	0.00	<u>0.00</u>	0.00
75274	PER	8.08	I&D		0.00	0.00	<u>0.00</u>	0.00
75426	PER	1.00	COM			0.00	0.05	0.05
75427	PER	4.00	I&D		0.00	0.00	0.50	1.28
75428	PER	5.00	COM			0.00	<u>0.00</u>	0.00
75473	PER	114.80	IRR		111.51	111.51	62.83	62.83
75474	T-WDN		IRR					
75550	PER	1.50	I&D			0.00	<u>0.00</u>	0.00
75551	PER	3.50	I&D			0.00	<u>0.00</u>	0.00
75552	PER	4.50	I&D			0.00	<u>0.00</u>	0.00
75553	PER	61.20	I&D		31.68	31.69	58.84	58.85

APP. NO.	STATUS 2010	DUTY (AFA)	USE	DUTY USED BY WATER YEAR				
				2005	2006	2007	2008	2009
76042	PER	1.00	Q-M				0.48	0.49
76043	PER	4.00	Q-M				2.92	2.92
76641	PER	2.00	IRR				<u>0.00</u>	0.00
76648	PER	4.00	I&D				<u>0.00</u>	0.00
76936	WDN		Q-M					
76937	PER	4.00	Q-M				2.92	2.92
76938	PER	4.98	Q-M				3.63	3.64
77037	PER	7.50	I&D				<u>0.00</u>	0.00
77122	PER	5.00	I&D				<u>0.00</u>	0.00
77260	RFP		Q-M					
77316	PER	40.00	I&D				<u>0.00</u>	0.00
77335	PER	8.00	Q-M				5.84	5.85
77434	WDN		I&D					
77496	PER	10.00	I&D				9.61	9.62
78074	PER	2.00	COM					0.00
78714	PER	55.00	I&D					47.53
78715	PER	4.90	I&D					4.23
79012	APP		IRR					
79013	WDN		IRR					
79768	APP		COM					
79769	APP		COM					
79984	E-APP		ENV					
V09749	VST	0.00	IRR				0.00	<u>0.00</u>
								0.00

PERMITTED

DUTY 7264.60 4382.97 4250.51 3199.93 3232.34

Note: "Duty" shown corresponds to the amount available in the "Status" water year.

Note: Above figures in **bold** were averaged over metered period.

Note: Above figures underlined were estimated from observed crop or use.

APPENDIX C

BASIN MAP

WARM SPRINGS VALLEY, HYDROGRAPHIC BASIN 6-084, WASHOE COUNTY, NEVADA

